WORLD RADIO HANDBOOK

for listeners

BROADCASTING TELEVISION

1956

10th anniversary edition

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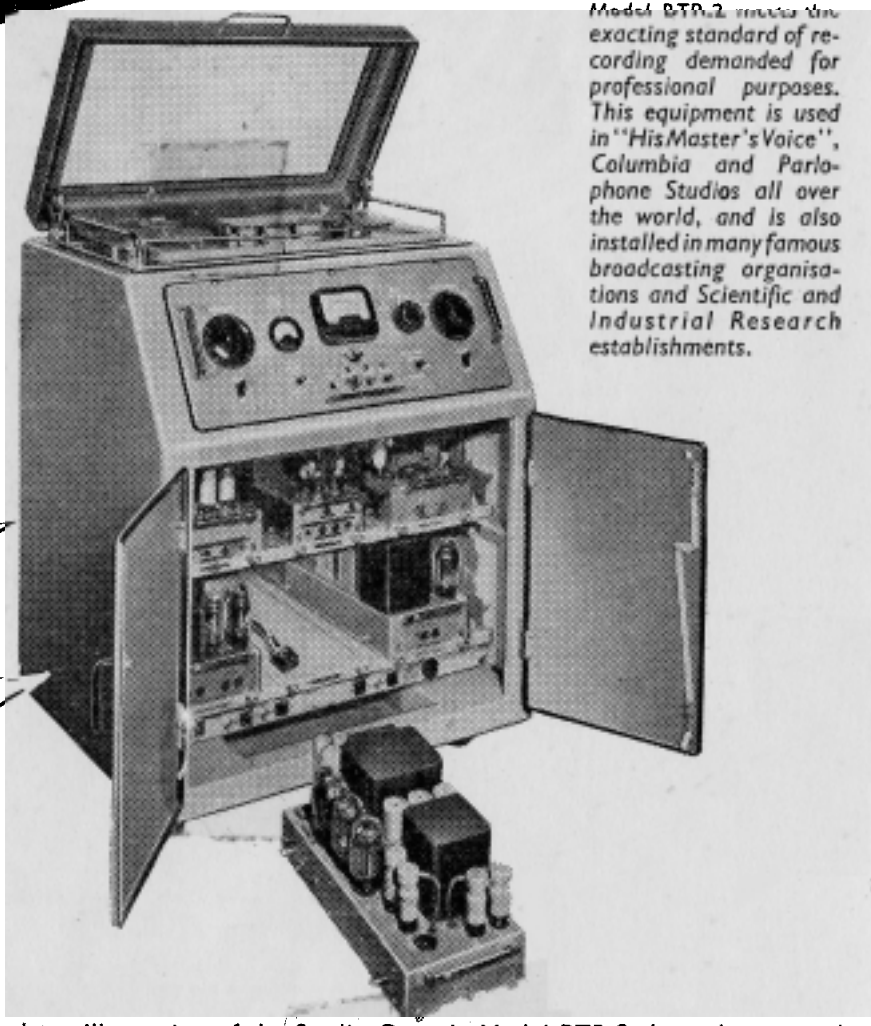

Model BTR.2 meets the exacting standard of recording demanded for professional purposes. This equipment is used in "His Master's Voice", Columbia and Parlophone Studios all over the world, and is also installed in many famous broadcasting organisations and Scientific and Industrial Research establishments.

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For the promotion of a better understanding between the peoples of the world.

Recommended by:

United Nations. Unesco.

European Broadcasting Union, Genève.

International Broadcasting Organization (O.I.R.), Prague.

AUSTRALIA: Australian Broadcasting Commission (incl. Radio Australia).

AUSTRIA: Österreichischer Rundfunk (Offentliche Verwaltung für das Österreichische Rundspruchwesen).

BELGIUM: The Belgian National Broadcasting Service.

BURMA: Burma Broadc. Service

CANADA: Canadian Broadcasting Corporation.

CYPRUS: Cyprus Broadcasting Service. – Near East Arab Broadcasting Station.

CZECHOSLOVAKIA: Ceskoslovensky rozhlas.

DENMARK: Danish State Radio. – The Danish Society.

EIRE: Radio Eireann.

FINLAND: The Finnish Broadcasting Company,

FRANCE: Radiodiffusion - Television Francaise.

GERMANY: Deutsche Welle. – Bayerischer Rundfunk. – Hessischer Rundfunk.–Nordwestdeutscher Rundfunk. – Süddeutscher Rundfunk. – Südwestfunk.

GREAT BRITAIN: British Broadcasting Corporation commends the aims of the WRH.

GREECE: National Broadcasting Institute.

HOLLAND: Radio Nederland Wereldomroep.

HUNGARY: Hungarian Broadcasting Service.

INDIA: All India Radio.

INDONESIA: Radio Republic Indonesia.

IRAN: Radio Teheran.

ISRAEL: Israel Broadc. Service.

ITALY: RAI – Radio Italiana.

JAPAN: NHK – Broadcasting Corporation of Japan.

NORWAY: Norsk Rikskringkasting.

PAKISTAN: Radio Pakistan.

POLAND: Polskie Radio.

PORTUGAL: Emissora Nacional de Radiodifusao.

RUMANIA: Comitetul de Rad

SAAR: Radio Saarbrücken.

SPAIN: Radio Nacional de Espana. – Sociedad Espanola de Radiodifusion.

SWEDEN: Swedish Broadcasting Corporation.

SWITZERLAND: Swiss Broadcasting Corporation.

TURKEY: Radio Ankara.

UNION OF SOUTH AFRICA: South African Broadc. Corp.

USA: The Voice of America.

VATICAN STATE: Vatican Radio.

More recommendations in separate pamphlet.

WORLD RADIO HANDBOOK

BROADCASTING-TELEVISION 1956

including World-wide Radio WHO's WHO

Tenth Edition

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Lindorfsalle 1 . Hellerup . Copenhagen . Denmark

★

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★

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O. LUND JOHANSEN

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from Washington

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WORLD RADIO HANDBOOK

BROADCASTING–TELEVISION 1956

With the appearance of this edition World Radio Handbook has existed for 10 years. During this period it has evinced its viability and justified its existence. Thanks to the understanding cooperation of the United Nations, Unesco, the European Broadcasting Union Geneva, the International Broadcasting Organization, Prague, numerous broadcasting organizations all over the world, many individuals, radio clubs and radio firms etc. it has been possible to keep pace with the rapid development of both broadcasting and television, and thus enable WRH to fulfil its purpose: to create a practical link between the various broadcasting undertakings themselves and between them and listeners, and thus to make a contribution towards the promotion of world understanding. It is my earnest hope that this cooperation will continue and be extended in the years ahead.
My sincere thanks for the past ten years.

O. LUND JOHANSEN.

UNITED NATIONS:

It is now nearly ten years ago that the first broadcast of the Radio Division of the United Nations went on the air. Originally broadcasting only in the five official languages of the organization: English, French, Spanish, Russian and Chinese, the service soon expanded, and today, programmes in some twentyfive languages from United Nations Headquarters, and from whereever UN activities are taking place.

It soon became clear that the best way of reaching a large listening audience was to ensure that United Nations programmes should be relayed or rebroadcast by national networks. To achieve this, the most complete and accurate information on programmes, transmitters and wavelengths of radio stations all over the world was essential.

There can be no doubt that countless organizations throughout the world share with us the experience that the World Radio Handbook successfully meets this need. The expansion of world broadcasting, and especially the meteoric rise of television in many countries, have made this guide more and more of a necessity for our work.

At the same time, we feel sure that the information on United Nations transmissions, which has appeared each year, has served to make our programmes widely known to our colleagues and to our listeners around the globe.

It is therefore with the greatest pleasure that I extend cordial greetings and congratulations to the World Radio Handbook, and its active Editor, Mr. Lund-Johansen, on the occasion of the tenth anniversary of this invaluable publication.

Peter Aylen
Director, United Nations Radio Division

THE EUROPEAN BROADCASTING UNION IN GENEVA:

On the morrow of a war without precedent in history, great courage and deep faith in the possibilities of reconstruction and development throughout the broadcasting world were needed to create at such a time a publication such as the World Radio Handbook, which aspired to regroup around it men whom, only the eve before, had been engaged in furious combat with each other. – O. Lund-Johansen manifested this same courage and faith, and his joy today at the complete success of his undertaking must be immense. – All of us within the E.B.U. who have known the great difficulties which had to be overcome share this joy with him. First of all because that international audience, necessary to all of us, was able to find in the W.R.H. alone a really effective way to satisfy its universal curiosity; secondly, because for all those operating broadcasting services, the W.R.H. is the most efficient means for making them known throughout the world; and, lastly, because for all those who, together with us, are dedicated to bringing together nations and peoples, the W.R.H. serves as a splendid tool for our daily work. – If this tool has not existed, we should have been forced to create it ourselves. God alone knows – and our friend Lund-Johansen – with what pains! Therefore we believe the best way to express our gratitude and interest in W.R.H. is to assert here that we shall in the future, as we have done in the past, give our most constructive support to the English edition and to any other editions in which it might appear. Broadcasting, itself, quite apart from the great potentialities opened up by television, is far from having reached its zenith. The World Radio Television Handbook has also therefore still before it a life full of promise.

L. Wallenborn, Director.

UNESCO:

A great deal can be said about international understanding and world peace, and perhaps too much has already been said. We can, however, start working towards these objectives without losing time making speeches. We owe much to Mr. O. Lund-Johansen who, ten years ago, took the initiative in rendering practical service to further the idea of world radio. The World Radio Handbook has given valuable information to members of the radio profession who are working for international collaboration. Unesco, whose main concern is to further all fields of education, science and culture is particularly appreciative of the constructive nature of this handbook. We congratulate our esteemed colleague Mr. Lund-Johansen on the success achieved by the World Radio Handbook during its first ten years, and hope that it will continue to develope, as it will be of ever-increasing value to the radio world.

Walter Steigner, Head Radio Division
Dept. of Mass Communication

AMERICA N.

CANADIAN BROADCASTING CORPORATION
Congratulations to World Radio Handbook on the occasion of its tenth anniversary. Its universal coverage of information and its logical manner of presentation have made it a very helpful reference work.

CBC International Service, H. Shane.

VOICE OF AMERICA, UNITED STATES INFORMATION AGENCY:

The entire staff of the Voice of America joins me in congratulating the WORLD RADIO/TELEVISION HANDBOOK on the happy occasion of its tenth anniversary.

I should like to extend to you, Mr. Lund-Johansen, my own personal felicitations for a job well done. The WORLD RADIO/TELEVISION HANDBOOK under your energetic guidance has developed into an international radio and television publication of high reputation.

Your fine contribution to international understanding and goodwill is appreciated by all of us who wish the elimination of barriers to the free exchange of ideas and information.

Our best wishes for your continued success.

Cordially yours, J. R. Poppele, Director.

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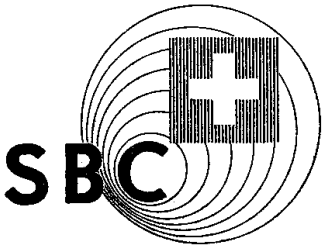

SERVICE-INFORMATION:
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(for full information see page 70)

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EUROPE

HEALTH, EDUCATION AND WELFARE, OFFICE OF EDUCATION, WASHINGTON:

We consider the World Radio Handbook a very valuable addition to the promotion of international understanding through communications and are happy to know that you are publishing your 10th Anniversary Edition on the first of December 1955. We hope too, that your book will stimulate the extension of the Eurovision idea so that it may embrace all the Continents of the world. This can easily be accomplished by means of kinescoped copies of programs even before microwave stations are set up to bring this about. We congratulate Mr. O. Lund-Johansen on his enterprise and his devotion to the cause of international communications and take pride in the fact that DENMARK has been honored as the place where this service has been established.

Franklin Dunham, Chief of Radio-Television.

THE BELGIAN NATIONAL BROADCASTING SERVICE:

WRH is ten years old. One must be connected with the direction of a big transmitting station—as I have been for eleven years—in order to be able to appreciate the importance of this annual publication for international documentation to which one daily must resort.

Mr. Lund Johansen should be congratulated—and warmly congratulated—for having realised that a reference work of this nature should be a source of pleasure to consult, and not a repellant administrative year book, the use of which induces melancholy.

Mr. Lund Johansen has wished to present his work to us each year in an attractive form, and has insisted on a mass of illustrations, which are not only a pleasure to the eye, but also continue the information to be found in the text.

Such ideas have resulted in the production of a manual, carefully kept up to date, in which is a mass of information so ingeniously grouped that it is of interest not only to the heads of broadcasting stations, but also to the large public that wishes to extend its knowledge of world broadcasting activities.

And now television opens a fresh field of operation for the publisher of WRTH, and thus the possibility once more to perform important services to international understanding.

For all these reasons it gives us great pleasure warmly to congratulate Mr. O. Lund Johansen and those, who assist him in his work now that World Radio Television Handbook celebrates its tenth edition.

André Guery,
Director of Public Relations and of "Micro-Magazine".

THE BRITISH BROADCASTING CORPORATION:

"NATION SHALL SPEAK PEACE UNTO NATION" is the motto under which the British Broadcasting Corporation addresses listeners throughout the world in forty-four languages. In offering radio listeners, whereever they may be, information about the world's radio output, Mr. Lund Johansen has affirmed his belief in the task of international broadcasting to bring about better understanding between the peoples of the world.

I join my colleagues in radio organizations on the five continents in congratulating Mr. Lund Johansen on the tenth anniversary of World Radio Handbook and wishing him every success in the future.

Sir Harold Bishop, C.B.E.,
Director of Technical Services
of the British Broadcasting Corporation

THE DANISH STATE BROADCAST, DENMARK:

World Radio Handbook contains such a wealth of facts that one never turns to it in vain when seeking information about radio matters in the various countries.

It can be seen that the editor has spared no effort to make each edition as complete and up to date as possible. The handbook has therefore become a useful implement for radio enthusiasts, and has made its contribution towards the development of international cooperation.

Peder Nørgaard.
President of the Radio Council.

THE DANISH STATE BROADCAST, DENMARK.:

World Radio Handbook has now existed for 10 years; 10 years in which a tremendous work has been performed to create and develop a manual which would meet every reasonable demand in its field. A jubilee edition is now available, fully up to date, which contains a long list of information invaluable to the foreign listeners. Fortunately, there are a great many of them in the world. – Listening in to foreign stations is an excellent thing. It promotes understanding between nations, and helps to reduce language difficulties. – It is a pleasant. thought, therefore, that the handbook is becoming more and more widespread, and I trust that this jubilee edition will prove to be a big step towards the final goal:

– World Radio Television Handbook on every foreign listener's table.

F.E.Jensen, Director General

THE NATIONAL BROADCASTING INSTITUTE, GREECE:

The "World Radio Handbook" is an important work, indispensable for world promotion of Radio art and expansion of Television. It should be of interest to all countries wishing to perfect their broadcasting system aiming at further developing the possibilities of contact among listeners throughout the world. – The ends of the "World Radio Handbook" would be even more complete, if special articles about "the rights of peoples" selfdisposal and claim for justice" were included in this valuable publication.

Je Bettos, Director General.

NORSK RIKSKRINGKASTING, NORWAY:

In the course of the relatively short period in which broadcasting has existed, we have experienced a development of which no one who was present at the very modest start could have had an idea. In order to be able fully to exploit this wonderful means of communication, it is absolutely necessary to be aware of the technical data and broadcasting hours of the various transmitting stations. This applies particularly to short wave stations.

In the course of the ten years WRH has existed, it has, on account of its thorough and reliable information, worked itself up into an indispensible reference book for every interested listener.—We congratulate Mr. O. Lund Johansen on this international encyclopaedia of world broadcasting and we hope that the work may further develope into the leading international publication it aims to be.

Gunnar Nygaard, Chief of Short Wave Dept.

RADIODIFFUSION TELEVISION FRANCAISE, FRANCE:

World Radio Handbook has the great advantage of containing a very complete collection of interesting broadcasting information periodically arranged. It is a very valuable manual for the professional to consult and allows listeners to learn in detail the enormous possibilities offered by this means of communication in all parts of the world.

M. Bonami
Le Chef du Service des Affaires Générales

RADIO-TELEVISIONE ITALIANA, ITALY:

Happy to express heartiest congratulations for tenth anniversary WRH and would like to express greatest appreciation for an excellent and useful publication, to which we send best heartfelt wishes for ever growing success.

Zaffrani, Director Foreign Relations.

RADIO ROMA, ITALY:

On the occasion of the publication of the tenth anniversary edition of the "World Radio Handbook" I am happy to express to you my best congratulations for this interesting publication and for your activities on its behalf through the past 10 years in order to divulgate the broadcasting services throughout the world.

With my best regards and wishes for a brilliant future of "World Radio Handbook".

Dr. Gilberto Bernabei
Director of SW Broadcasting Service

RADIO NACIONAL DE ESPANA, SPAIN:

In the course of recent years WRH has become a book to which I constantly refer. Thanks to it I know in a moment not only the broadcasts from any wireless station in any country, but also the names of the leading personalities with whom I must get in touch in my daily work as director for a transmitting station.

At the same time this valuable publication causes our own organization to be known abroad, and enables us to receive, not anonymously but in our own name, the letters, proposals and offers, which permit us to maintain a world-wide connexion in the field of television and radio. In my opinion no director of a station of any size can manage without WRH.

In regard to my ideas about the development of radio and television during the past ten years, it seems to me difficult to return a precise and concrete reply. The constant progress made by technique has caused the world to be engrossed by television, yet, despite this, the radio has continued its own existence, and far from losing listeners has actually gained them. Consequently, in my view, both these methods of communication and association must develop concurrently, so that in the not too distant future a large part of human knowledge will be based on scenic and phonetic impressions, and not merely—as was the case a few decades ago—on written texts. The Renaissance of the spoken word will be of very great importance to human culture. The film, the radio, and television are the modern means of expression. They more than anything else will influence the people of tomorrow, as they will not only be the agents of understanding between the peoples but also will disseminate the various cultures between nations.

D. José-Ramon Alonso, Director-General.

Continued page 15

DEUTSCHE WELLE

Kurzwellendienst der Arbeitsgemeinschaft der öffentlich-rechtlichen Rundfunkanstalten der Bundesrepublik Deutschland

---

The VOICE OF GERMANY, Deutsche Welle is beamed to the

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NEAR AND MIDDLE EAST

AFRICA

SOUTH AMERICA

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NEWS IN 5 LANGUAGES

Programme suggestions and reception reports are very much welcomed, letters should be adressed to

DEUTSCHE WELLE – KÖLN

Funkhaus, Wallrafplatz, Germany

Detailed reports are answered by QSL card

Please refer to page 44 for details

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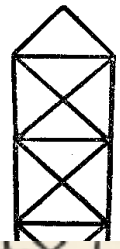
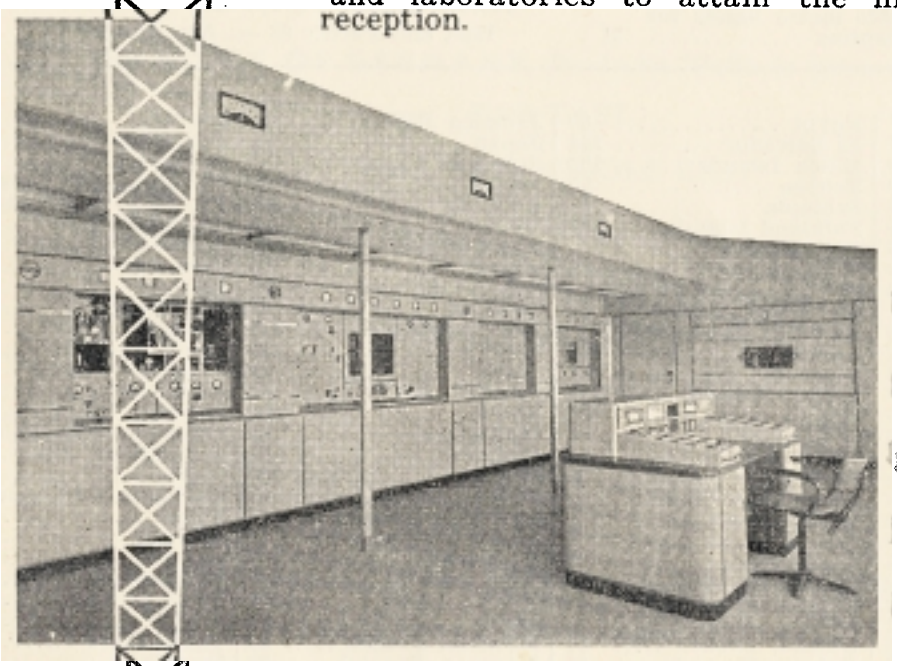
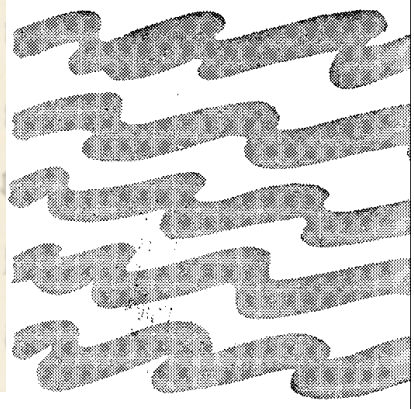
THE LATEST NEWS: The W. R.-BULLETIN carries every fortnight the latest news from broadcasting stations all over the world. New stations, frequencies, powers, schedules etc. Corrections to the WORLD RADIO HANDBOOK. — **Subscription rates:** By airmail: Dan. Kr. 35.00, $ 5.50, £ 2/- /-, DM. 22.00. Quarterly: Dan. Kr. 10.00 $ 1.25, £ 0/10 /-, DM. 6.00. By ordinary mail annually: Dan. Kr. 21.00, $ 3.50, £ 0/21 /0, DM. 15.00. Quarterly: Dan. Kr. 5.50, £ 0/ 5/ 6, $ 1.25, DM. 4.00

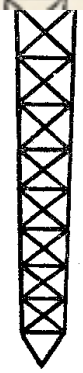
A quality link between



In all corners of the globe many people will be listening to broadcasts that come to them via the loudspeaker of their Philips radio set. From the purity of the sound and the excellent selectivity they will realize that everything possible is done in the Philips factories and laboratories to attain the highest quality of reception.







Real radio enjoyment, however, is not only dependent upon the quality of the receiving set. The broadcasting stations have to give careful thought to the composition of their programmes.
Much time and money is taken up by the selection of good talent and last but not least the technical equipment has to be in perfect condition.

PHILIPS *for dependable*

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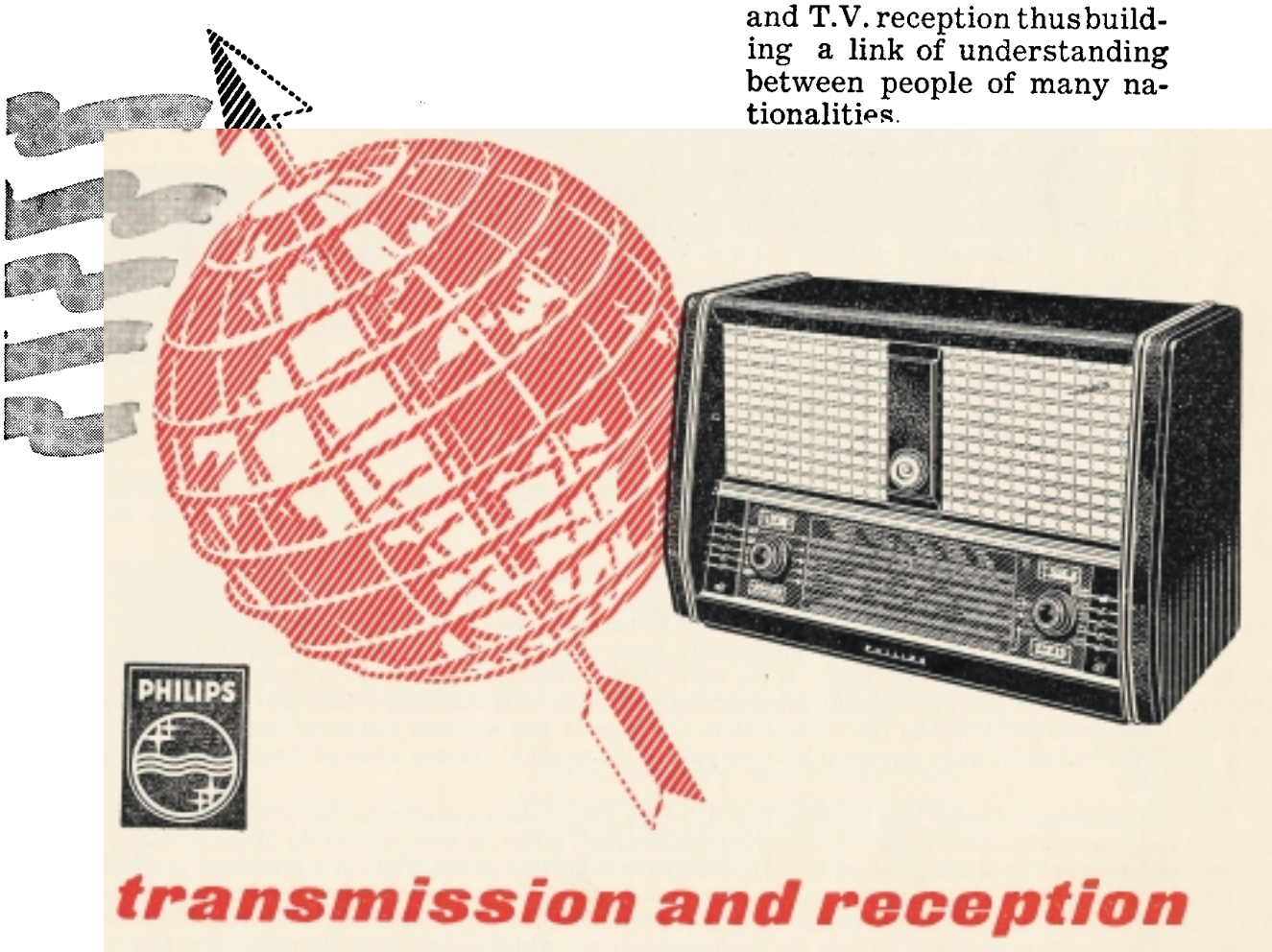
speaker and speaker

Also at this and of the „bridge" between the listener and the studio Philips play an important part.
Just as they make many types of Philips radioplayers, they manufacture quite a range of different studio equipment and transmitters ranging from 50 watts to 100 kilowatts and comprising types for different wavelengths and modes of modulation. Also in the field of television Philips equipment forms a quality link between camera and screen.

By producing quality equipment for both the broadcasting stations and the home, Philips contribute their share towards better radio and T.V. reception thus building a link of understanding between people of many nationalities.



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HOW TO USE WORLD RADIO HANDBOOK

The practical information given in the following section in respect of the broadcasting services of each individual country includes:

The Addresses of the broadcasting companies in question. Where broadcasts are commercial this is stated.

Names and Titles of the leading personalities in each company.

List of Stations operated by each company with call signs of their transmitters, all frequencies and wavelengths (medium- and shortwaves), as well as their power expressed in kilowatts or watts.

Each short-wave station has its own identification call sign consisting of 3–5 letters or a combination of letters and figures of which the first, or two first, denote the nationality in accordance with the international list of station prefixes. (See page 26.) Some short-wave stations, the American ones for example, use these call-signs when announcing themselves.

Long and medium wave stations are divided into three categories, viz. (1) **Main Stations**, which are so powerful that they can generally be heard throughout the whole area of the country in question, and from which most of the broadcasts emanate; (2) **Regional Stations**, which can be heard only within a certain area of the country, and whose broadcasts consist partly of re-transmissions of the programmes of the main stations and partly of their own programmes; (3) **Relay** and **Local Stations**, which mostly re-transmit main station programmes. These relay stations are the weakest, and are local stations which can be heard only within a limited area; The above-mentioned stations are all **AM stations**, i.e. amplitude-modulated stations. In addition, there is a fourth category of station: 4) **FM stations**, i.e. frequency modulated stations, in order to give listeners a reception free of interference. These stations have only a very short radius, and are consequently local stations.

Most short wave stations use directional aerials, i.e. their broadcasts are directed toward particular areas, and these give the names to the various services: European Service, Near Eastern, Middle Eastern, Far Eastern, Pacific, Latin-American, Caribbean Service, etc. Language and frequency employed vary according to the area to which broadcasts are directed.

Times are shown on the 24 hours system. In this system midnight is 00.00 hrs., 3 am: 03.00 hrs., 10 am: 10.00 hrs. and midday 12.00 hrs. Instead of starting again at 1 o'clock, as the 12-hour system does, the 24-hour system continues to increase the number of each hour until 23.59 (11.59 pm.) is reached. Thus 13 hrs. is 1 pm., 17.00 hrs. 5 pm. and so on. The great advantage of the system is that it eliminates any possible confusion between times a.m. and times p.m.

On page 18 you will find a Local Time Conversion Table which gives the local times (summer and winter) in most parts of the world in relation to Greenwich Mean Time (G.M.T.). For example, from September to May it is 15.00 hours New York time when it is 20.00 hours G.M.T., since the table indicates that local time in New York is 5 hours ahead of G.M.T. From May to September U.S.A. introduces day-light saving time and, consequently, it is 16.00 hours New York time when it is 20.00 hours G.M.T.

Frequency and wavelength. Frequency and Wavelength are divided into the following groups: **Long waves, medium waves, short waves** and **ultra short waves** (V. H. F. – very high frequencies–FM).

The wavelength of a station is measured in metres, and kilocycles per second (kc/s); for FM-stations in megacycles per second (mc/s). A kilocycle is 1000 cycles; a megacycle 1.000.000 cycles.

Shortwave broadcasting takes place mainly on the following metre bands (m.b.):

49 metre band – 41 metre band – 31 metre band – 25 metre band – 19 metre band – 16 metre band – 13 metre band and 11 metre band.

Many short-wave stations lie outside these bands. The 60 and 80 metre bands are used for local broadcasting, i.e. for reception over relatively short distances, which applies, for example, to many South and Central American stations and stations in Central Africa.

In the following pages you will find a large variety of call-signs and frequencies. In many cases these belong to the same transmitters which are connected to different aerials designed to radiate signals to the best advantage in respect of each service. The various call-signs serve to identify individual transmissions.

Many programmes are broadcast simultaneously from several transmitters on different frequencies, which enables you to select the one which is the most clearly audible in your area or on your particular receiver. If reception on one of the frequencies used is poor, you should examine reception conditions on the other frequencies employed by the same station. On page 31 you will find a table of the most suitable metre bands for best short-wave reception in every part of the world at various times of the day throughout the year 1956.

Daily Programmes: Under this heading you will find information concerning the total broadcasting hours on the different frequencies employed during transmission hours, as well as a survey of the news.

Announcements: The language alone is not a conclusive indication of the origin of a broadcast to which you may be listening. Hearing a programme in French or Spanish, for instance, does not necessarily mean that it is transmitted by a French or Spanish station respectively. To make sure of identifying a station correctly, it is, therefore, essential to wait for the announcement which every station broadcasts at regular intervals. These call signs are given in this book for practically all the stations listed.

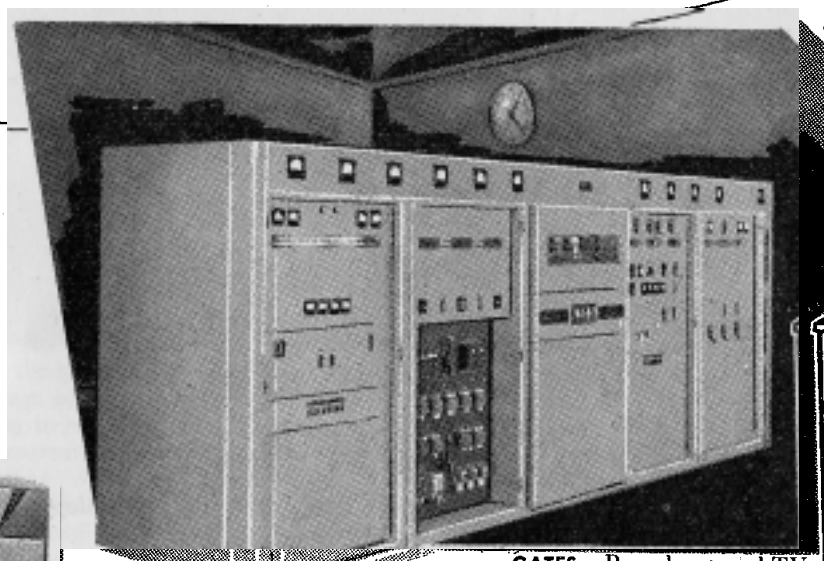
Interval-Signals: For identifying stations it is also of importance to know the signals used during the intervals between programme items. Under each station you will, therefore, find a indication of the type of signal used, and in many cases a reproduction of the musical notes of this signal. *Continued page 13.*

ROCKE

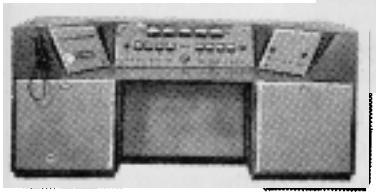
COMPLETE EQUIPMENT FOR

BROADCASTING

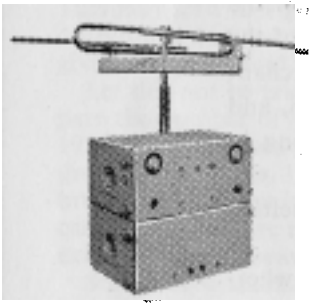
AMPEX -
Magnetic Tape Recorder Console. Automatic Broadcasting Programming System.



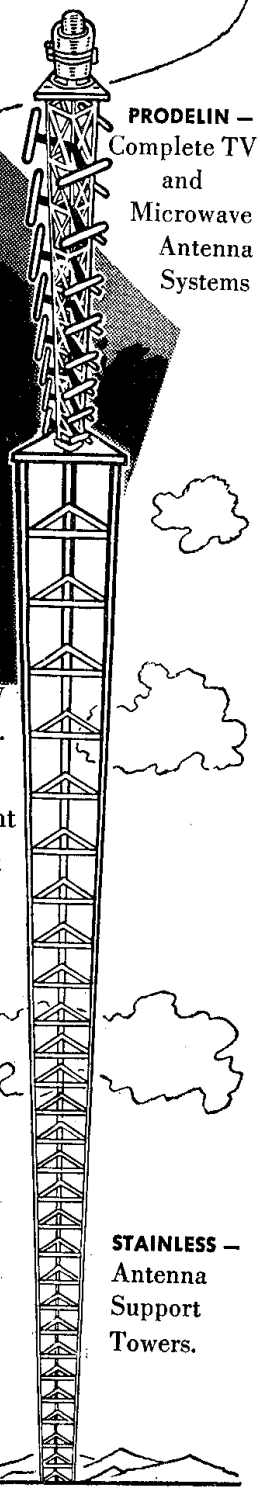
GATES — Broadcast and TV Transmitters from 250 Watts to 50 Kw.



GATES —
Speech Input Equipment— Master Control Console.



RADIO ENGINEERING LABORATORIES —
Mobile Transmitting Link for on-the-spot Broadcasts.



PRODELIN —
Complete TV and Microwave Antenna Systems

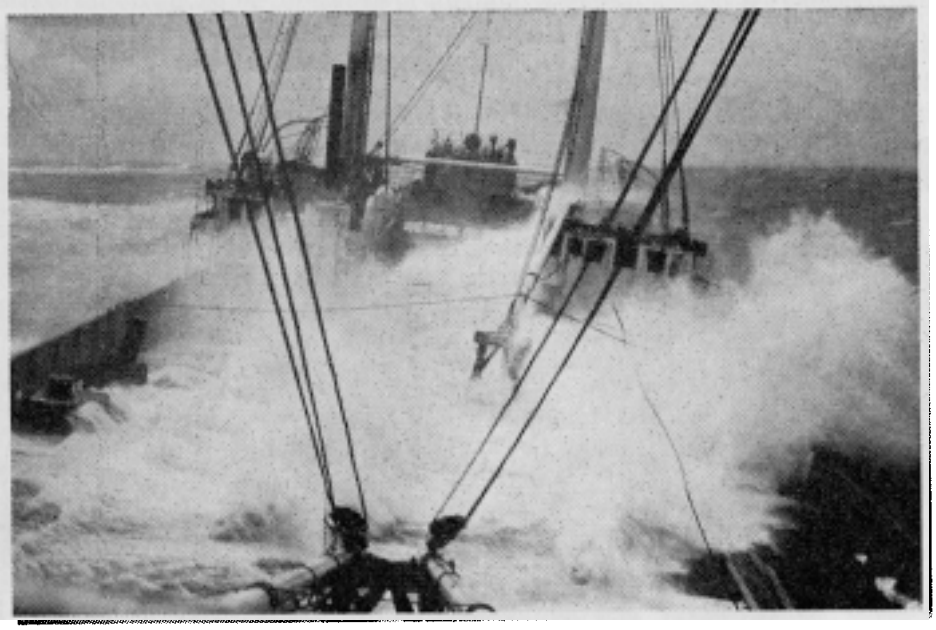
STAINLESS —
Antenna Support Towers.

ROCKE offers complete range of broadcasting equipment from speech input systems to powerful broadcast and TV transmitters, microphones, transmitting tubes, towers up to 1700 feet high—a quality equipment of the foremost American manufacturers, including such well known names as: AMPEX Corporation, AMPEREX Electronic Corp., ELECTRO-VOICE, GATES Radio Co., POLARAD Electronics Corp., PRODELIN, RADIO & ENGINEERING LABORATORIES, STAINLESS, etc.

Purchasing from one source keeps your procurement costs at a minimum. Write for catalogs, prices and other information to Dept. WRH-1.

ROCKE INTERNATIONAL CORPORATION
13 East 40th Street, New York 16, N. Y., U.S.A. *Cables:* ARLAB

advertisement Rocke International Corporation



A Norwegian floating factory in the Antarctic Ocean.

NORWAY

– a country of scenic beauty and great contrasts – of narrow valleys and deep fiords, of high mountains and thousands of islands.

The distance in a straight line from North Cape, at 57° 11′ north to Norway's southernmost point measures more than 1100 miles. Due to the Gulf Stream Norway enjoys a temperate climate, even the regions that lie farther north than for instance Cape Barrow in Alaska. The area, somewhat larger than Great Britain and Ireland, comprises 124.710 square miles, with at population of less than three and a half million people. The mountainous character of the country and its coastline of 12.500 miles explain why a large percentage of the population lives in close contact with the sea. To-day Norway's merchant fleet ranks third in the world. Her ships are manned by 40.000 seamen, and in addition about 20.000 fishermen, sealers and whalers seek their living in distant waters.

Besides, more than 4 million people of Norwegian descent have settled abroad, most of them in the United States.

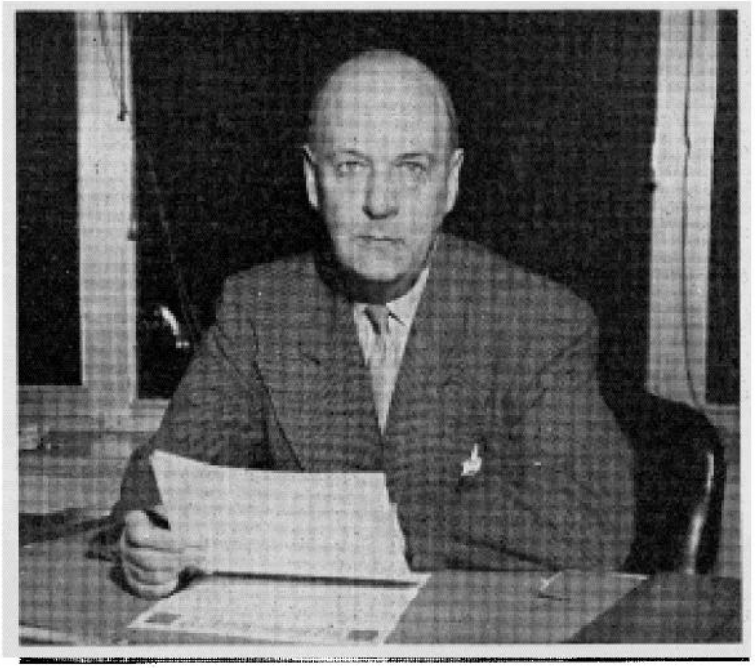
The Short Wave Division of Radio Norway tries to keep Norwegians wherever they are, in contact with their country, informing them of current events and presenting various aspects of life at home.

We should like to draw the attention of our English speaking listeners to our Sunday transmissions in English, so for information about Norway try and listen in to

Norway this Week.

(For programme details see page 62).

advertisement Radio Norway



SOUND BROADCASTING AND TELEVISION

are twin forces of great importance in the peace of the world

Peter Aylen
Director Radio Division

We believe that the story of the United Nations and its efforts to secure peace is a story worth telling, worth listening to. The larger the audience which hears it, the wider the area of the world in which it is understood, the easier the great task of making a peaceful and prosperous world becomes.

From the earliest days of its existence, the United Nations has placed considerable emphasis on the use of radio and television to reach as large a segment of the world's population as possible. These media are remarkably effective instruments for conveying fact and creating understanding.

It follows therefore that we in the United Nations must be sensitive to the pattern of change and development in the radio and television industries of all countries.

The world of international broadcasting and television is a dynamic one and in this tenth United Nations year, it has been in the process of considerable change.

It seemed at first that television service would be long restricted to a few areas of high population density and economic affluence; but in the last few years, resources have grown; news services have opened in a dozen countries and existing television systems have expanded their installations; the number of viewers has increased by millions.

Equally important from the United Nations point of view is the fact that Television is becoming increasingly *international* in character; programmes are regularly exchanged between television organizations. This may lead to a growing open-mindedness, a willingness to see "how the other man does it", which can do nothing but good in the long run. Particularly noteworthy in this sense is the Eurovision system which gives the individual European television organizations an open window on broad international horizons.

Let this not be taken to mean that international sound broadcasting is a spent force. One need only compare the number of listings in the current edition of this most valuable guide to the details given in, say the 1952 edition, to see that radio broadcasting remains a growing force, and that each year it serves new and growing audiences. It is true that the requirements of television have caused some of the larger international broadcasting organizations to reduce their resources; but against that we must weigh the fact that broadcasting services are now being started in several areas which have not previously had them, and that much existing plant is being expanded.

Sound broadcasting and television are twin forces of great importance in the peace of the world; let us hope that they will be used wisely in the cause common to us all.

How to use the WRH, continued from page X.

QSL-Cards. As indicated in the survey of the broadcasting services of the various countries, many of the stations listed are interested in receiving reports from listeners in respect of their transmissions. These stations acknowledge reports by sending listeners a QSL- (verification) card or a letter. For most of these stations it is stated whether reports are answered by QSL card or letter and if return postage is required. Many short-wave listeners make a hobby of collecting these QSL-cards which are often elaborately designed and colourful.

Reports from Listeners: Listeners' reports can in most cases be written in English, but Spanish is preferable when writing to South or Central American stations.

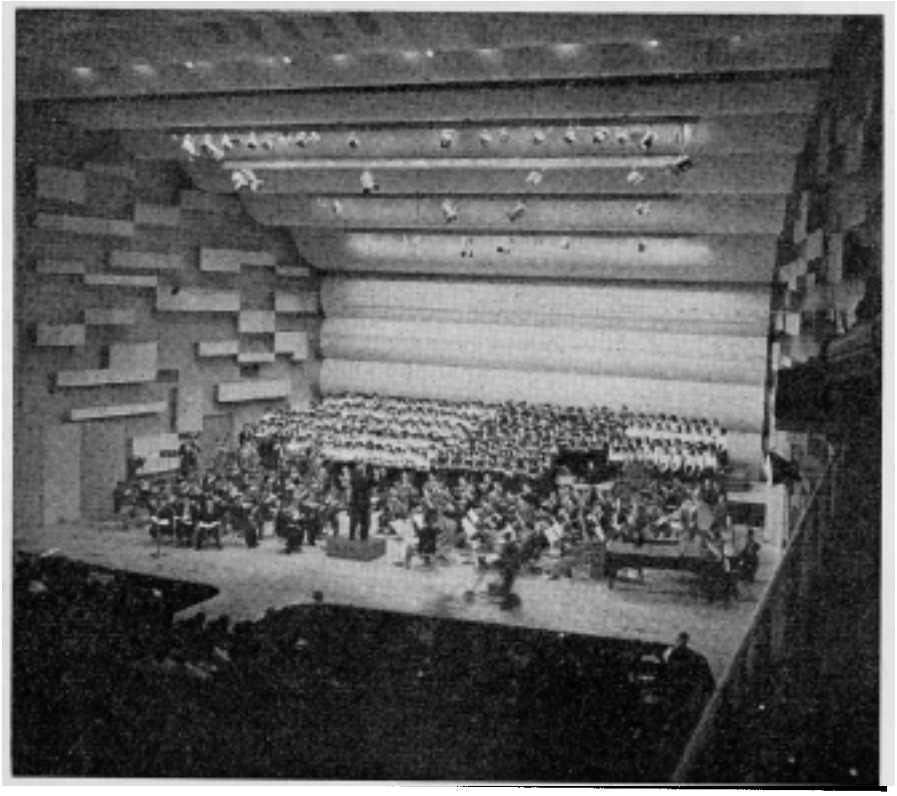
If reply postage is requested by a station, enclose with your reports an International Reply Coupon obtainable at most post offices. The full address of each station will be found in the individual surveys.

Peter Aylen United Nations

Radio Japan

Radio Japan conducts an international broadcasting service directed to various regions of the world with the object of introducing a factual and accurate picture of contemporary Japan. These shortwave broadcasts are directed to the 13 regions.

Senders of reception reports will receive in return verification cards and pamphlets. (Full details of the operation of the shortwave service are given on Page 98.)



Radio Japan is the name of the shortwave external services of the Nippon Hoso Kyokai (NHK) which conducts domestic service by medium waves, as well as a television service. The domestic service has two nation-wide networks comprising 95 stations for the 1st network and 72 stations for the 2nd network. As of the present, NHK's Television service comprises 3 stations, which will be augmented, in the near future, by 3 additional stations.

NIPPON HOSO KYOKAI
(Japan Broadcasting Corporation)
No. 2, 2-chome, Uchisaiwai-cho,
Chiyoda-ku, Tokyo, Japan

advertisement Radio Japan NHK Tokyo

Messages to the WHR on the occasion of its tenth anniversary.

(Continued from page 5):

SOCIEDAD ESPANOLA DE RADIODIFUSION, SPAIN

WORLD RADIO HANDBOOK'S noble efforts to create understanding between the peoples of the world are approaching its target with the publication of its tenth Edition, in the pages of which it is possible to satisfy any question concerning international broadcasting thanks to its handy arrangement, which shows the development and practice of these world transmissions, and the precise and methodical presentation of interesting and valuable data, which, from a professional point of view, provides a basis for the work.

In congratulating Mr. Lund Johansen, we express the wish that in the general interest, he will complete his succes by allowing space in his text for the increasing television transmissions and thus enlarge the scope of his editions in the Spanish language.

Virgilio Oñate, Director-General.

SWISS BROADCASTING CORPORATION, SWITZERLAND:

"What is your opinion about the work of the World Radio Handbook and its international value through the past ten years?" That is the question Mr. O. Lund-Johansen, its meritorious editor, asks on the occasion of the tenth anniversary of this publication. The answer is readily given. I am convinced that there is hardly any radio man who does not keep the latest edition of W.R.H. on his desk or in his reference library as a most precious tool which he makes use of most frequently. I can indeed hardly imagine how we could do without this indispensable booklet anymore. Trusting that the W.R.H. will continue to be a faithful companion in our daily work, I send you my very best wishes for its 10th anniversary.

Marcel Bezençon, Director General of
Swiss Broadcasting Corporation

Cie THOMSON-HOUSTON, FRANCE

The Electron Group of Compagnie Francaise Thomson-Houston is happy to be able to congratulate the publisher of World Radio Handbook, the aim of which is to promote hearty understanding between the nations of the world and the documentary value of which it has appreciated annually. WRH is both a working implement and a free-time instrument for all who for various reasons are engaged in broadcasting and television. World technical development is such that it is no longer sufficient to be interested simply for the pleasure provided by radio or television set in the home, one must also consider the efforts made in France and other countries to extend their installations and to enlarge their programmes.

There is no doubt that WRH is a most valuable professional bearer of a message to the whole world. It represents in particular to Compagnie Francaise Thomson-Houston, which is the oldest of the French radio-electric Compagnies—not only a valuable advertising medium, but is also an ideal carrier of technical information which is predestined to promote the economic expansion, that is necessary for the peaceful development of international relations.

J. J. Bauzin, Director-General.

ÖSTERREICHISCHER RUNDFUNK, AUSTRIA

World Radio Handbook has not only proved to be a valuable source of information for experts and radio enthusiasts all over the world, but has also brought many closer together. We therefore wish to combine our congratulations on the tenth anniversary of World Radio Handbook with the hope that it will succeed in continuing to be the friend and helper of people who work for and interest themselves in a joint cause. Dipl. Ing. Wilhelm Füchsl, Director General.

AFRICA.

SOUTH AFRICAN BROADCASTING CORPORATION

In congratulating Mr. Lund-Johansen on the 10th Anniversary Edition of the World Radio Handbook, we rejoice with him that his faith has been vindicated by the success which the Handbook has undoubtedly proved to be during the past 10 years. We in the S.A.B.C. have found it a useful reference work, and we should like to join our colleagues of other Broadcasting Organizations in many countries in wishing Mr. Lund-Johansen a bright and successful future for his publication.

Gideon Roos, Director-General

EAST.

AUSTRALIAN BROADCASTING COMMISSION

"The World Radio Handbook is an accurate and up-to-date record of the operations of radio stations throughout the world. As such it is of the greatest value to broadcasters and listeners. We wish it continued success".

E.K. Sholl, Controller of Administration.

(Continued page 167)

INTERNATIONAL SERVICE

RADIO·CANADA

SERVICE INTERNATIONAL

Shortwave listeners are invited to tune in on broadcasts from Canada. Full coverage is given to Canadian and world-wide news and Canadian thinking on current affairs. Programs also include actuality reports on national events, press opinion and music. We welcome correspondence about programs and reception, and reply by letter or by QSL card.

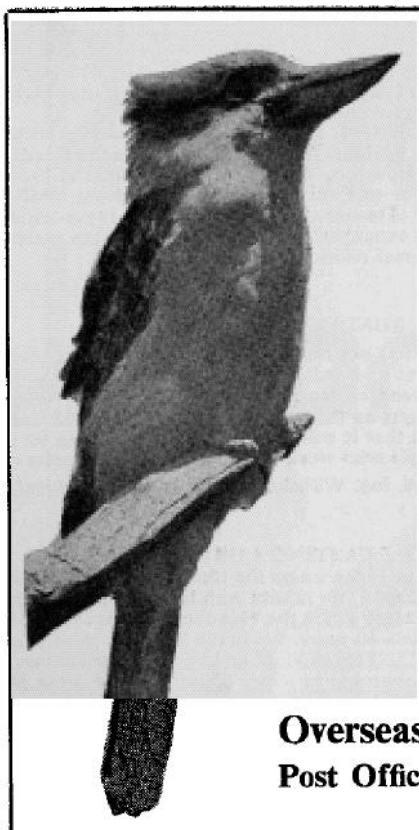
Illustrated Program Schedule is sent free on request.

Recorded programs in the English, French and Spanish languages are available to radio organizations.

CANADIAN BROADCASTING CORPORATION
INTERNATIONAL SERVICE

Post Office Box 6,000 Montreal, Canada

(For broadcast frequencies and times, see page 110)



RADIO AUSTRALIA

– the friendly voice of the Southern Continent –

If unable to visit Australia for the Melbourne Olympic Games – November 22 to December 8, 1956 – we invite you to tune to Radio Australia for a complete broadcast coverage. As well as eyewitness descriptions in English, there will be Olympic commentaries in many other languages given at suitable listening times.

A thirty-two page illustrated Programme Guide is available to listeners free of charge upon request.

Overseas Service – Australian Broadcasting Commission,
Post Office Box 780H, G.P.O. Melbourne, Australia.

For full information see page 103.

UNION EUROPEENNE DE RADIODIFFUSION (U.E.R.)
European Broadcasting Union (E.B.U.)
Seat and Administrative Office: 37, Quai Wilson, Geneva.

Technical Centre: 32, Avenue Albert Lancaster, Brussels.

Monitory Centre: Jurbise (Belgium).

Administrative Council (1956): President (1956–57) Sir Jan Jacob, Director General. The British Broadcasting Corporation. – Vice-Presidents (1956–1957): MM. Léon Daumard, Inspector General "Radiodiffusion et Television" France. Georges Conus, Director Administration The Swiss Broadcasting Corporation.

Administrators: Representatives for the broadcasting organizations in: Finland, France, Germany (Federal Rep.), Ireland, Italy, Netherlands, Switzerland, United Kingdom, Yugoslavia.

Director of the Administrative Office – Secretary General: M. Léo Wallenborn. – **Director of the Technical Centre:** M. Henry Anglès d'Auriac.
Active Members: The broadcasting organizations of: Belgium, Denmark, Egypt, Finland, France, Germany (Bundesrepublik), Greece, Ireland, Italy, Lebanon, Luxembourg, Monaco, Morocco/Tunisia, Norway, Netherlands, Portugal, Sweden, Switzerland, Syria, Turkey, United Kingdom, Vatican City, Yugoslavia.

Associate Members: The broadcasting organisations of: Australia (A.B.C.), Belgian Congo, Burma, Canada, (C.B.C.), Ceylon, Haiti, Japan, New Zealand, Union of South Africa, United States (International Broadcasting Division, U.S. Department of State and N.B.C.).

Publications: Documentation and Information Bulletin (every two months in English and French). – Long and medium waves. Quarterly Report (European Area). – Short waves.

ASOCIACION INTERAMERIKANA DE RADIODIFUSION (AIR): AIR is an association of the broadcasting corporations of the American countries. Founded in 1946 it represents 3000 broadcasting and 400 television stations. Its purpose is to preserve free and stable broadcasting, promote cooperation between broadcasting corporations and the public Authorities, to raise the cultural level of the peoples, and to work for a closer feeling of association between the broadcasting corporations of America. AIR is recognized by the United Nations and collaborates with UNESCO with the International Union of Telecommunications and with the organizations of the American States. AIR has subscribed to the "Panama Doctrine" in which the American Radio and Press declare themselves united against any attack on individual liberty and any restriction of the freedom of utterance. Associations in twenty countries are affiliated to AIR, the President of which is Senor Ricardo Vivado Orsini (Chile), 1st. Vice-Pres.: Raul Fontaina (Uruguay); 2nd. Vice-Pres.: Alberto Lleras Camargo (Colombia); Secretary: Emilio Azcarraga (Mexico); Dir. Gen.: Julio Menadier Carrasco (Chile).

INTERNATIONAL BROADCASTING ORGANIZATION OIR
Address: 15, Liebknechtova, Prague 16, Czechoslovakia.
Cable: INTERADIF Praha.
Nature: International organization, having scientific purpose.
Governing Body: General Assembly consisting of one representative for each full member.
ADMINISTRATIVE COUNCIL: Consisting of 7 to 13 members.
Chairman for 1955: Representative of the German Democratic Republic.
Vice-Chairmen for 1955: Representatives of the Peoples Republic of Mongolia and the Czechoslovak Republic.
Members: Representatives of – Czechoslovak Republic, Finland, German Democratic Republic, Lithuanian SSR, PR of Mongolia.
MEMBERS: PR of Albania, Byelorussian SSR, PR of Bulgaria, Chinese PR, Czechoslovak Republic, Estonian SSR, Finland, German Democratic Republic, Hungarian PR, Karelo-Finnish SSR, Korean People's Democratic Republic, Latvian SSR, Lithuanian SSR, Moldavian SSR, PR of Mongolia, PR of Poland, Rumanian PR, Ukrainian PR, Union of Soviet Socialist Republics, PDR of Vietnam.
Facilities: Technical Centre: Prague, Czechoslovakia.
Publication: Documentation and Information Bulletin in Chinese, English, French and Russian issued every two months. Technical Documentation and Lists of broadcasting and television stations in operation.
Meetings: General Assembly at least once a year, Administrative Council at least twice a year.
Relations with other international organizations: Official relations with the ITU, UNESCO, the Economical and Social Council of the United Nations Organization and others.

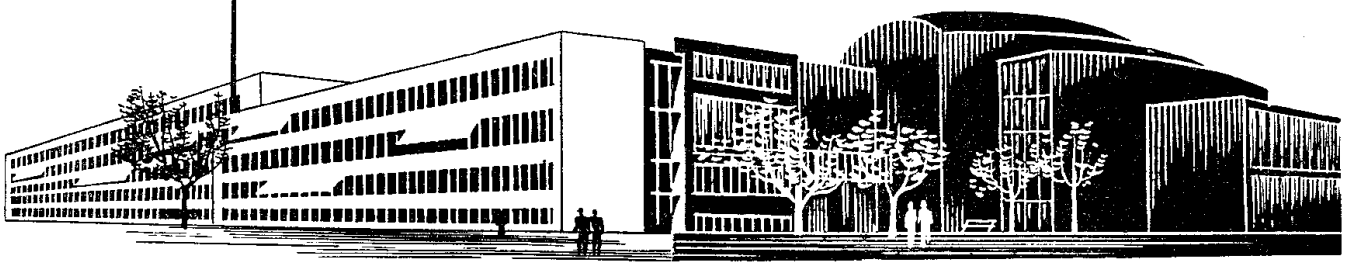
UNESCO
(United Nations Educational, Scientific and Cultural Organization)
Radio Division, Department of Mass Communication.
Address: 19, avenue Kléber, Paris 16e. Telephone: KLEber 52–00.
Chief of Radio Division: Walter Steigner
Deputy-Chief: José Garza y de Garate
Chief of English production: Vacant
Chief of French production: Fernand Pouey
Chief of Spanish production: José Garza y de Garate
Chief of German production: Walter Steigner

advertisement Radio Australia EBU European Broadcasting Union AIR UNESCO

Listen to

THE VOICE OF DENMARK

The Danish short wave transmissions are beamed to North America, South America, Africa, India and the Far East



To North America on 31.51 m—9.520 kc/s.
Daily 1.30—2.30 and 3.00—4.00 GMT. E.S.T.: 8.30—9.30 and 10.00—11.00 p. m.
DX-bulletin: Wednesdays 2.25—2.30 a. m. and 3.55—4.00 a. m. GMT.

To South America on 31.51 m—9.520 kc/s.
Mondays, Wednesdays and Fridays 23.00—24.00 GMT.

To Far East, Australia and New Zealand on 19.78 m—15.165 kc/s.
Tuesdays, Thursdays and Saturdays 9.00—10.00 a. m. GMT.

To South Asia on 19.78 m—15.165 kc/s.
Tuesdays, Thursdays and Saturdays 14.00—15.00 GMT.

To Africa and the Near East on 19.76 m—15.180 kc/s.
Tuesdays and Fridays 5.00—6.00 a. m. GMT.

For listeners in Europe. On 49.50 m—6.060 kc/s.
Daily 17.40—21.15 GMT rebroadcast of Danish home service.

To the Faroe Islands on 31.51 m—9.520 kc/s.
Sundays 14.00—15.00 GMT.

Special broadcasts for Danish ships Tuesdays, Thursdays and Saturdays immediately following South American, North American, Far Eastern and Indian programs and 17.00—17.30 GMT on 31.51 m—9.520 kc/s.

Listeners all over the world are invited to send reception reports together with their criticisms and programme suggestions to

the SHORTWAVE DEPARTMENT, RADIO HOUSE, COPENHAGEN V., DENMARK

Answer by letter or QSL-card

advertisement The Voice of Denmark

WORLD TIME IN ALL COUNTRIES

DIFFERENCE BETWEEN LOCAL TIME AND GREENWICH MEAN TIME

The differences marked + indicate the number of hours ahead of G. M. T. Differences marked ÷ indicate number of hours behind G. M. T. * Time based on local sunrise.

	Normal clock Time	Summer Time
Aden	+3	+3
*Afghanistan	+4½	+4½
Albania	+1	+1
Algeria	GMT	GMT
Andorra	+1	+1
Angola	+1	+1
Antigua	÷4	÷4
*Arabia, Saudi	+3	+3
Argentina	÷3	÷3
Aruba	÷4½	÷4½
Australia		
a) Victoria, New South Wales, Queensland Tasmania, (Brisbane, Melbourne, Sydney)	+10	+10
b) North Territory S. Australia	+9½	+9½
c) W. Australia (Perth)	+8	+8
Austria	+1	+1
Azores	÷2	÷1 1/4-1/10
Bahamas	÷5	÷5
Bahrain	+4	+4
Barbados (W.I.)	÷4	÷4
Balearic Islands	+1	+1
Bechuanaland	+2	+2
Belgian Congo Leopoldville	+1	+1
Belgian Congo Elisabethville	+2	+2
Belgium	+1	+1
Bermuda	÷4	÷3
Bolivia	÷4	÷4
Borneo, British North	+8	+8
Brazil		
a) Eastern and Coastal.	÷3	÷2
b) Western (Manaos)	÷4	1/12-1/4 ÷3
Bulgaria	+2	+2
Burma	+6½	+6½
Cameroons, Brt.	+1	+1
Canada		
a) Atlantic (Labrador, Nova Scotia, Quebec)	÷4	25/4-25/9 ÷3
b) Eastern (Ontario)	÷5	÷4
c) Central (Manitoba)	÷6	÷5
d) Mountain (Alberta)	÷7	÷6
e) Pacific (Br. Columbia)	÷8	÷7
f) N. Foundland	÷3½	÷2½
Canary Islands	GMT	GMT
Canton Islands	÷11	÷11
Cap Verde Isl.	÷2	÷2
Ceylon	+5½	+5½
c) Java, Borneo	+7½	+7½
Chile	÷4	÷4
China	+8	+8
Tibet	+6	+6
Colombia	÷5	÷5
Cook Isl.	÷10½	÷10½
Costa Rica	÷6	÷6
Cuba (W.I.)	÷5	÷5
Curacao	÷4½	÷4½
Cyprus	+2	+2
Czechoslovakia	+1	+1
Dahomey	+1	+1
Denmark	+1	+1
Dodecanese Isl.	+2	+2
Dominican Republic (W.I.)	÷5	÷5
Ecuador	÷5	÷5
Egypt	+2	+2
Ellice Islands	+12	+12
El Salvador	÷6	÷6
Eritrea	+3	+3
Ethiopia	+3	+3
Falkland Islands	÷4	÷3 1/4-1/10
Fernando Po	+1	+1
Formosa see Taiwan		
Fiji Islands	+12	+12
Finland	+2	+2
France	+1	+1
French Equatorial Africa (Brazzaville)	+1	+1
French West Africa (Senegal)	GMT	GMT
Gambia	GMT	GMT
Germany	+1	+1
Gibraltar	+1	+1
Gilbert Isl.	+12	+12
Goa (Port India)	+5½	+5½
Gold Coast	GMT	+½ 1/9-31/12
Great Britain	GMT	+1 1/4-1/10
Greece	+2	+2
Greenland West	+3	+3
Angmagssalik East Scoresby Sound	+2	+2
Guadeloupe (W.I.)	÷4	÷4
Guam	÷10	÷10
Guatemala	÷6	÷6
Guiana (British)	÷3¾	÷3¾
Guiana (Dutch)	÷3.40	÷3.40
Guiana (French)	÷4	÷4
Guinea (Port.)	÷1	÷1
Guinea (Spanish)	+1	+1
Haiti (W.I.)	÷5	÷5
Hawaiian Islands	÷10	÷10
Holland	+1	+1
Honduras (Rep.)	÷6	÷6
Honduras (British)	÷6	÷6
Hong Kong	+8	+9 1/4-31/10
Hungary	+1	+1
Iceland	÷1	GMT 3/4-31/10
India	+5½	+5½
India Portuguese	+5½	+5½
Indochina	+7	+7
Indonesia		
a) North Sumatra	+6½	+6½
b) South –	+7	+7
c) Java, Borneo, Bali	+7½	+7½
d) Celebes (E. Ind.)	+8	+8
e) Molucca Isl.	+8	+8
Iran (Persia)	+3½	+3½
Iraq	+3	+3
Ireland (Eire)	GMT	+1 15/4-15/10
Ireland (Northern)	GMT	+1
Israel	+2	+3 16/-15/9
Italy	+1	+1
Ivory Coast	+1	+1
Jamaica (W.I.)	÷5	÷5
Japan	+9	+9
Kashmir	+5½	+ 5½
Kenya	+3	+3
Korea	+8½	+9½
Kuwait	+3	+3
Lebanon	+2	+2
Leeward Isl.	÷4	÷4
Liberia	÷¾	÷¾
Libya		
a) West (Tripolitania)	+1	+2
b) East (Cyrenaica)	+1	+2
Luxembourg	+1	+1
Macau	+8	+9 1/5-1/10
Madagascar	+3	+3
Madeira	÷1	GMT 1/4-1/10
Malaya	+7½	+7½
Malta	+1	+1
Marshall Isl.	+12	+12
Martinique	÷4	÷4
Mauritius	+4	+4
Mexico	÷6	÷6
Miquelon	÷4	÷3 1/4-15/10
Monaco	+1	+1
Mongolia(Outer)	+7	+7
Morocco (French)	GMT	GMT
Morocco (Spanish)	+1	+1
Mozambique	+2	+2
Nepal	+5.40	+5.40
Neth. Antilles	÷4½	÷4½
New Caledonia	+11	+11
New Guinea (Dutch)	+9½	+9½
New Guinea (Australian)	+10	+10
New Hebrides	+11	+11
New Zealand	+12	+12
Nicaragua	÷6	÷6
Nigeria	+1	+1
Norway	+1	+1
Pakistan		
a) West	+5	+5
b) East	+6	+6
Panama	÷5	÷5
Paraguay	÷4	÷4
Peru	÷5	÷5
Philippine Islands	+8	+8
Pitcairn Isl.	÷9	÷9
Poland	+1	+1
Portugal	GMT	+1 1/4-1/10
PuertoRico(W.I.)	÷4	÷4
Reunion	+4	+4
Rhodesia (Northern and Southern)	+2	+2
Rumania	+2	+2
Ryukyu Isl.	+9	+9
Saar	+1	+1
Samoa Isl.	÷11	÷11
S. Pierre	÷4	÷3 1/4-15/10
S. Tomé	GMT	+1 1/4-1/10
Sarawak	+8	+8
*Saudi Arabia	+3	+3
Senegal	GMT	GMT
Seychelles Isl.	+4	+4
Sierra Leone	GMT	GMT
Somaliland (British, Italian)	+3	+3
Somaliland (French)	+3	+3
Spain	+1	+1
Sudan	+2	+2
Surinam	÷3,40	÷3,40
Sweden	+1	+1
Switzerland	+1	+1
Syria	+2	+2
Taiwan	+8	+9 1/4-31/9
Tanganyika	+3	+3
Tangier	GMT	GMT
Tahiti	÷10	÷10
Tasmania	+10	+10
Thailand	+7	+7
Transjordan	+2	+2
Trieste	+1	+1
Trinidad (W.I.)	÷4	÷4
Tunisia	+1	+1
Turkey	+2	+2
Uganda	+3	+2
Union of South Africa	+2	+3
Uruguay	÷3	÷3
U.S.S.R.		
Moscow, Leningrad	+3	+3
Baku	+4	+4
Sverdlovsk	+5	+5
Alma Ata	+6	+6
Novosibirsk	+7	+7
Irkutsk	+8	+8
Yakutsk	+9	+9
Khabarovsk	+10	+10
Petropavlovsk	+11	+11
U.S.A.		
a) Eastern Zone	÷5	÷4 1/5-1/10
b) Central Zone	÷6	÷5 1/5-1/10
c) Mountain Zone	÷7	÷6 1/5-1/10
d) Pacific Zone	÷8	÷7 1/5-1/10
Vatican	+1	+1
Venezuela	÷4½	÷4½
Vietnam	+8	+8
Yemen	+3	+3
Yugoslavia	+1	+1
Zanzibar	+3	+3

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It's truly a small world when you tune in your X-371. Into its 5 cubic feet, General Electric has packed the latest electronic advances. The result is a table radio that brings you clear shortwave reception from stations thousands of miles away!

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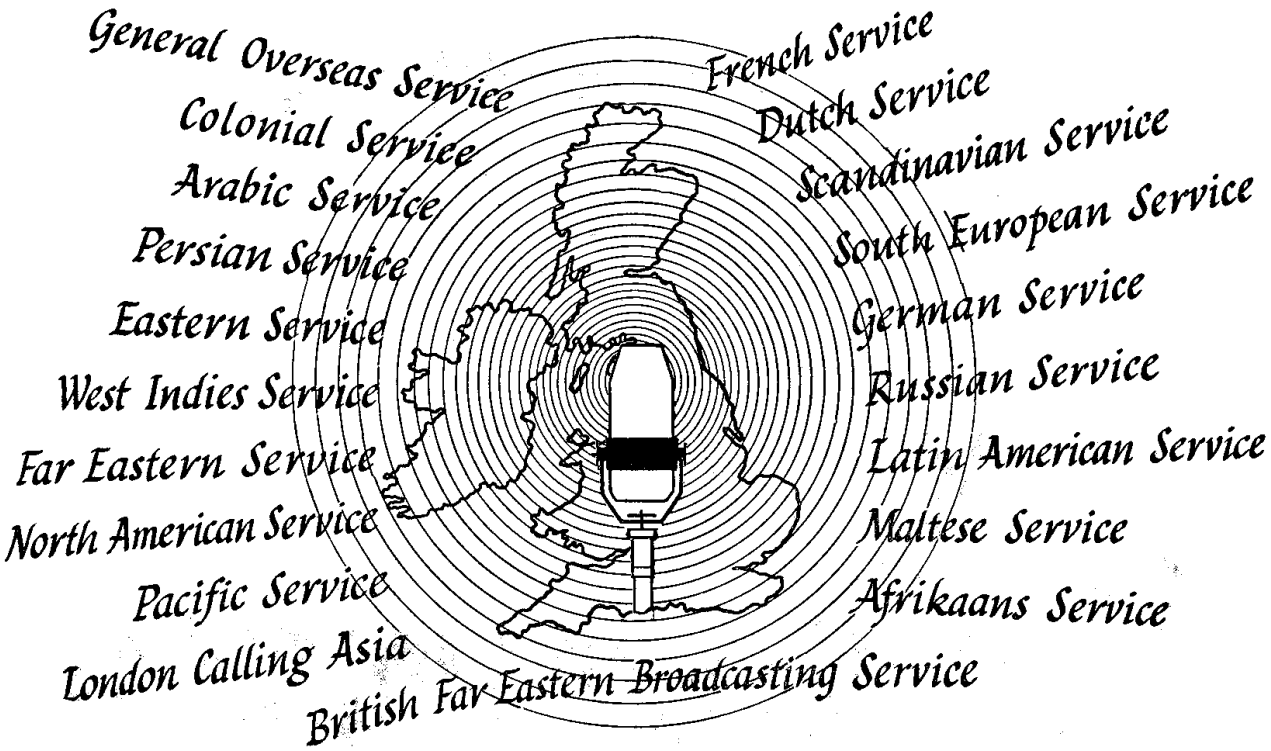

Greetings from

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Details, times and wavelengths

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BBC Publications (Dept. W.R.), London, W.1, England

advertisement BBC British Broadcasting Corporation

A message from UNESCO

A broadcaster who leaves his own country to go abroad will always receive a heartly welcome from foreign colleagues. Being members of the same profession is a binding factor; one knows that in all technical and programming questions there is a certain interdepence. And so we might speak of a fellowhsip of international radio workers which embraces all continents. Colleagues who have travelled can confirm this from their own experience.

This fact facilitates the work of Unesco's Radio Division, for all broadcasters are ready and willing to collaborate with their colleagues on an international scale. We can take as an example the organizational feats involved when radio commentaries on the Olympic Games are transmitted simultaneously in all languages on all cables and wave lenghts of the world.

Unesco's great task is to further education, science and culture throughout the world; radio is one of the means to this end and with this in view, Unesco's radio division endeavours to help, with advice and deeds, all those working in this field.

The task is difficult in so far as it is universal. Many radio stations are glad to broadcast Unesco programmes which are sent to them direct from Paris on tape or disc. Other radio stations would rather »blow up« their transmitters than use a pre-fabricated programme not made in their own studios! Again, there are many programme producers who take the trouble to study Unesco's script programmes and other manuscripts and use extracts from this material in their own programmes or who translate it into their languages. Others have the highly unpleasant habit of putting unopened letters straight into the waste paper basket. It is not possible to put the many different radio stations, governmental, independent and commercial, under one heading.

However important it has been in the past and will remain to supply radio organizations with Unesco material in the form of programmes and scripts, in the future special emphasis will be laid on closer contacts with colleagues working on educational, scientific and cultural programmes of their own. Unesco may help them with »raw« material on the international aspects of their problems.

Perhaps we can help them and their collaborates with programme themes chosen from the world-wide field of Unesco activities just as we would appreciate receiving suggestions from colleagues engaged in practical radio work. Every radio author and feature writer is invited to choose from the numerous themes Unesco can offer. Let us think, for example, of the underdeveloped countries which, in this new atomic era, are finding new hope that they may overcome poverty. Let us think of the fact that more than half the world's population can neither read nor write. Let us think, above all, of all international organizations' greatest task: to further international understanding, particularly in this atomic age.....

Unesco Headquarters sends out many experts in the fields of education, science and culture. They go into the desert to examine arid zone conditions, they go into forgotten villages to teach children, they go to scientific institutes to make knowledge and experience of one country's research workers available to those of other countries. These men, if one may use a military image, are on the battlefront of war against poverty, ignorance, racial prejudices and enmity.

These many experts, after years of work in the field, have much to report; if radio organizations were prepared to give even more time on the air to this work and these workers, they would make an important contribution not only to Unesco's task, but to general progress.

For these reasons, Unesco's Radio Division is anxious to collaborate fruitfully with all radio organizations gathered in this World Radio Handbook and tighten already existing contacts.

WALTER STEIGNER
Chief, Radio Division
Department of Mass Communication

Storno

V. H. F. ★ U. H. F.

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Walkie-Talkies ★ Kindly contact us
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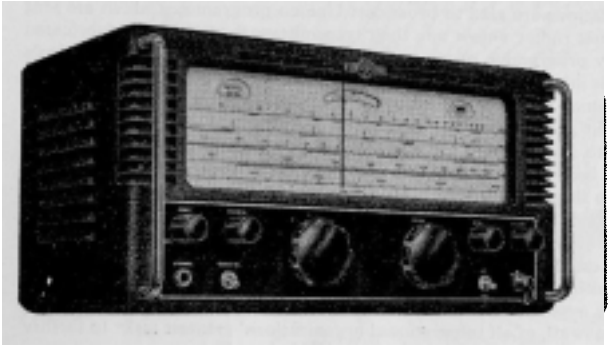
a message from UNESCO advertisement Storno Denmark

EDDYSTONE

MODEL '840A'

AC/DC COMMUNICATIONS RECEIVER



The new model '840A', illustrated above, possesses full Communication facilities and operates from either A.C. or D.C. mains 100/110 and 220/250 volts.

- Seven valve superheterodyne with R.F. stage.
- Frequency coverage 30 Mc/s. to 480 kc/s.
- Clear, accurately calibrated horizontal tuning scales.
- Gear driven tuning with 140/1 reduction.
- Mechanical bandspread. Accurate re-setting.
- B.F.O. and noise limiter.
- Internal loud-speaker. Headphones jack.
- Robust diecast construction. Rustproofed steel case.
- Suitable for tropical service.
- Weight 30 lbs. Size 16¾" × 10½" × 8¾" high.

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BROADCASTING RECEIVERS IN THE WORLD

Number of licenses issued or receivers estimated in use.

Abbreviations: L=number of licenses issued. R=estimated number of receivers in use. * no license.

EUROPE		
Albania	R	150.000
Andorra	R	450*)
Austria[1])	L	1.986.171
Belgium	L	1.713.155
Bulgaria	R	400.000
Czechoslovakia	L	2.817.938
Denmark	L	1.352.382
Finland	R	1.000.209
France	L	8.978.208
Germany		
Fed. Rep.	L	13.084.024
Dem. Rep.	R	3.800.000
Gt. Britain	R	13.000.000
Greece	L	100.000
Greenland	R	3.100
Holland	R	2.000.000
Hungary	L	1.363.155
Iceland	L	39.000
Ireland	L	436.363
Italy	L	5.913.825
Luxembourg	L	78.516
Malta	R	280.000
Monaco	R	4.000*)
Norway	R	942.000
Poland	R	2.823.128
Portugal	L	460.000
Rumanian	R	350.000
Saar	L	225.000
Spain[2]	R	1.000.000
Sweden	L	2.390.575
Switzerland	L	1.214.678
USSR	R	18.000.000
Yugoslavia	R	450.000
AFRICA		
Algeria	L	275.000
Angola	R	50.000
Bechuanaland	R	800
Belgian Congo	R	14.000
Cameroons	R	5.000
Canary Islands	R	80.000
Cap Verde Isl.	R	900
Egypt	R	650.000
Ethiopia	R	12.000
French Eq. Afr.	R	3.000
Gambia	R	600*)
Gold Coast	L	19.828
Guinea (Port)	L	900
Guinea (Sp.)	R	1.000*)
Ivory Coast	L	1.534
Kenya	L	18.065
Libya	R	5.000
Madagascar	R	100.000
Mauritius	L	16.852
Morocco (Fr.)	L	263.983
Nigeria	R	36.756
N. Rhodesia	R	250.000
Reunion	R	6.000
Seychelles	L	113
Senegal	L	14.826
Somaliland (It.)	R	3.500*)
Somaliland (Br.)	R	12.000*)
S. Rhodesia	R	35.000
Sudan	R	5.000
Tanger	R	1.500*)
Tanganyika	L	1041*)
Tunis	R	100.000
Union of S.Afr.	L	707.622
Uganda		200*)
Zanzibar	R	4.500*)
NEAR EAST		
Aden	L	1.097
Afghanistan	R	20.000
Bahrain	R	5.000*)
Cyprus	R	51.946
Iran	R	300.000*)
Iraq	R	60.000
Israel	L	259.125
Jordan	R	25.000
Lebanon	R	65.000
Saudi Arabia	R	15.000*
Syria	R	85.000
Turkey	L	990.635
EAST		
Borneo (N.Br.)	L	1.978
Burma	L	14.391
China	R	15.000.000
Ceylon	L	97.565
Goa (Port)	R	30.000
Hong Kong	L	50.000
India		964.560
Indonesia	R	500.000
Japan	L	11.495.409
S. Korea	R	150.000*)
Macau		4.943
Malaya	L	165.303
Nepal	R	10.000*)
Pakistan	R	98.134
Sarawak	L	4.309*)
Taiwan	R	100.000
Thailand	R	150.000
Viet-Nam	R	45.000
PACIFIC		
Australia	L	2.034.676
Fiji	R	18.000
Ellice Isl.	L	110
Hawaii	R	48.000
New Caledonia	R	4.000
New Zealand	L	491.856
Philippines	L	189.936
Samoa Western	L	1.116
Solomon Isl.	L	226
AMERICA, NORTH		
Canada	R	4.000.000
United States	R	127.000.000
AMERICA, CENTRAL		
Bahamas	R	12.000
Barbados	R	13.000
Bermuda	R	17.000*)
Costa Rica	R	50.000*)
Cuba	R	1.000.000*)
Dominican Rep.	R	60.000*)
El Salvador	R	30.000*
Guadeloupe	R	2.000
Guatemala	R	100.000
Haiti	R	750.000
Honduras	R	1.380
Honduras Rep.	R	10.000
Jamaica	R	60.000
Leeward Isl.	R	1.200
Mexico	R	2.000.000*)
Nicaragua	R	30.000*)
Panama	R	110.000*)
Puerto Rico	R	300.000*)
Trinidad	R	27.748
Vincent	R	1.200
AMERICA, SOUTH		
Argentina	R	1.500.000*)
Bolivia	R	300.000*)
Brazil	R	3.500.000*)
Chile	R	650.000*)
Colombia	R	2.000.000*)
Equador	R	150.000*)
Br. Guiana	R	12.954
Paraguay	R	500.000*)
Peru	R	1.000.000*)
Surinam	R	15.000*)
Uruguay	R	600.000*)
Venezuela	R	1.000.000*)

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BROADCASTING

EQUIPMENT

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GATES is the largest supplier of AM radio broadcasting equipment in the U.S.A. The prime reason for GATES' popularity everywhere, is that while maintaining the highest standards of Quality, GATES equipment is always competitively priced — and equally important, costs less to install and to operate. Why not write today for descriptive literature and engineering data on this modern GATES equipment.

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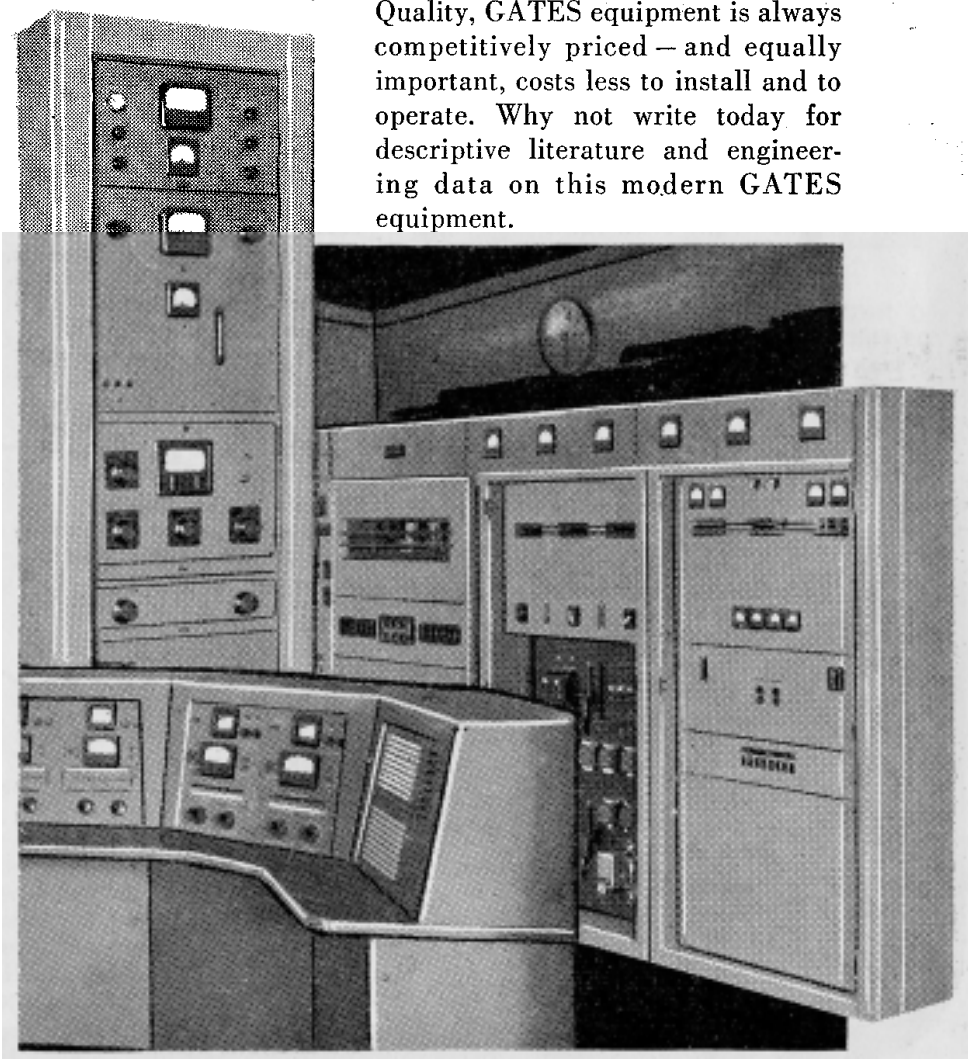

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INTERNATIONAL DIVISION

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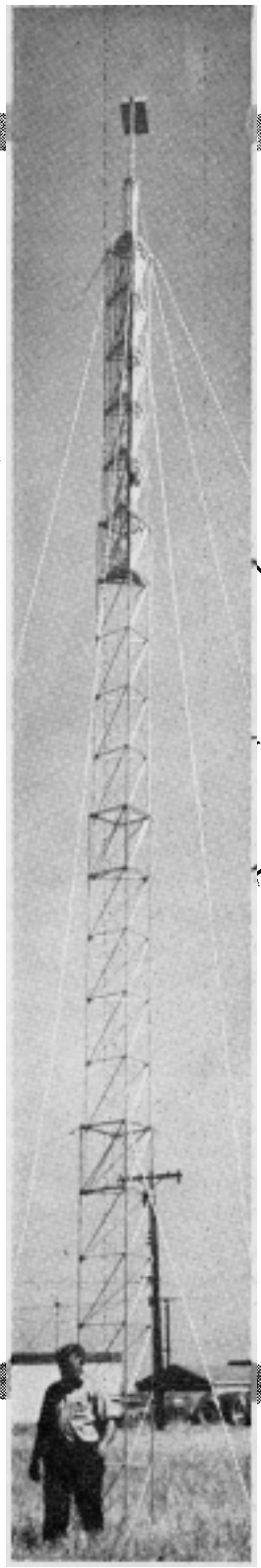

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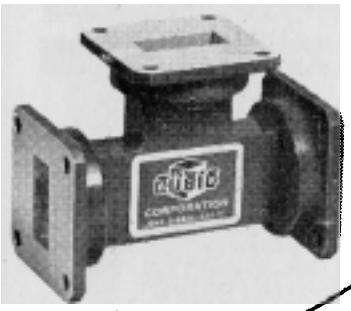

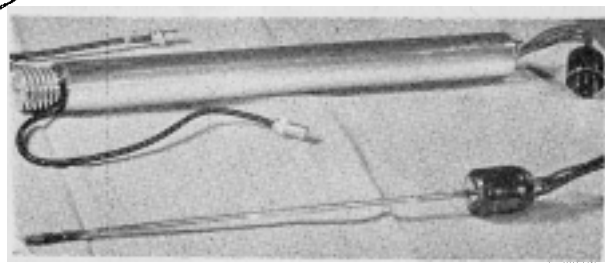

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Broadband microwave tube; high gain, moderate output power, low noise. Also backward wave oscillators; microwave gas control tubes, packaged microwave amplifiers; ion gauge control units; broadband microwave sweep generators; microwave absorption attenuators, etc.

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For large or small broadcast stations; portables. Self-contained. All models meet stringent requirements. Complete line of microphones and loudspeakers. High fidelity home music systems. Theater sound systems.

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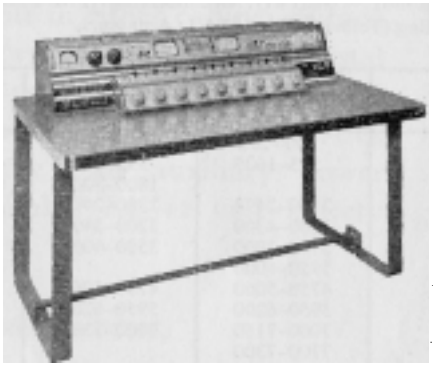

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Flyweight Magnemite

Magnemite 610-A

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Frequency bands allocated to Broadcasting, Television and Amateurs.

The table below is based upon the Atlantic City Radio Regulations. For bands between 3 and 27,5 mc/s the present situation differs a little from the table in some cases. Some bands are shared with other services. **Region 1:** Europe, U.S.S.R. in Asia, Africa. **Region 2:** N. and S. America, Northeast. Pacific. **Region 3:** Asia exc. U.S.S.R., Australia, part of Pacific.

BC: Broadcasting (AM sound) – BC(trop): Broadcasting (AM sound, tropical zones) – BC(FM): Broadcasting (FM sound) – BC(TV): Broadcasting (Television) – AMAT: Amateurs.

	Region 1 kc/s	Region 2 kc/s	Region 3 kc/s
BC	150–285		
BC	525–1605	535–1605	535–1605
AMAT		1800–2000	1800–2000
BC(trop)	2300–2498	2300–2498	2300–2498
BC(trop)	3200–4300	3200–3400	3200–3400
AMAT	3500–3800	3500–4000	3500–3900
BC	3950–4000		3900–4000
BC(trop)	4750–5060	4750–5060	4750–5060
BC	5950–6200	5950–6200	5950–6200
AMAT	7000–7150	7000–7300	7000–7150
BC	7100–7300		7100–7300
BC	9500–9775	9500–9775	9500–9775
BC	11700–11975	11700–11975	11700–11975

	Region 1 kc/s	Region 2 kc/s	Region 3 kc/s
AMAT	14000–14350	14000–14350	14000–14350
BC	15100–15450	15100–15450	15100–15450
BC	17700–17900	17700–17900	17700–17900
AMAT	21000–21450	21000–21450	21000–21450
BC	21450–21750	21450–21750	21450–21750
BC	25600–26100	25600–26100	25600–26100
AMAT	28000–29700 mc/s	28000–29700 mc/s	28000–29700 mc/s
BC(TV)	41–68	44–50	44–50
AMAT		50–54	50–54
BC(TV)		54–72	54–68
BC(TV)		76–88	
BC(FM)	87,5–100	88–108	87–108
AMAT	144–146	144–148	144–148
BC(TV)	174–216	174–216	170–200
AMAT		220–225	
AMAT	420–460	420–450	420–460
BC(TV)	470–585	470–940	470–585
BC(TV)	610–960		610–960
AMAT	1215–1300	1215–1300	1215–1300
AMAT	2300–2450	2300–2450	2300–2450
AMAT		3300–3500	3300–3900
AMAT	5650–5850	5650–5925	5650–5850
AMAT	10000–10500	10000–10500	10000–10500

The Editor of the World Radio Handbook seeks information from all stations engaged in broadcasting and interested in international broadcasting and publish the information as they communicated to him by the stations. The Editor cannot be held responsible for the correctnes of these information or for the not publishing schedules and other particulars of stations, which do not supply the information or for changes in the times and wavelengths of programmes made after the current edition has gone to press.

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Table of allocation of call signs

The first character or the first two characters of a call sign indicates the nationality of the station using it.

AAA–ALZ	U.S.A.	HHA–HHZ	Haiti
AMA–AOZ[1])	Spain	HIA–HIZ	Dominican Rep.
APA–ASZ	Pakistan	HJA–HKZ	Colombia
ATA–AWZ	India	HLA–HMZ	Korea
AXA–AXZ	Australia	HNA–HNZ	Iraq
AYA–AZZ	Argentine	HIA–HPZ	Panama
BAA–BZZ	China	HQA–HRZ	Honduras
CAA–CEZ	Chile	HSA–HSZ	Thailand
CFA–CKZ	Canada	HTA–HTZ	Nicaragua
CLA–CMZ	Cuba	HUA–HUZ	El Salvador
CNA–CNZ	Morocco (French)	HVA–HVZ	Vatican City State
COA–COZ	Cuba	HWA–HYZ	France and Colonies
CPA–CPZ	Bolivia	HZA–HZZ	Saudi Arabia
CQA–CRZ	Portuguese Colonies	IAA–IZZ	Italy and Colonies
CSA–CUZ	Portugal	JAA–JSZ	Japan
CVA–CXZ	Uruguay	JTA–JVZ	Mongol. People's R.
CYA–CZZ	Canada	JWA–JXZ	Norway
DAA–DMZ	Germany	JYA–JYZ[1])	Jordan
DNA–DQZ	Belgian Congo	JZA–JZZ[1])	Netherl. N. Guinea
DRA–DTZ	U.S.S.R.	KAA–KZZ	U.S.A.
DUA–DZZ	Philippines	LAA–LNZ	Norway
EAA–EHZ	Spain	LOA–LWZ	Argentine
EIA–EJZ	Ireland	LXA–LXZ	Luxembourg
EKA–EKZ	U.S.S.R.	LYA–LYZ	Lithuania
ELA–ELZ	Liberia	LZA–LZZ	Bulgaria
EMA–EOZ	U.S.S.R.	MAA–MZZ	United Kingdom
EPA–EQZ	Iran	NAA–NZZ	U.S.A.
ERA–ERZ	U.S.S.R.	OAA–OCZ	Peru
ESA–ESZ	Estonia	ODA–ODZ	Lebanon
ETA–ETZ	Ethiopia	OEA–OEZ	Austria
EUA–EZZ	U.S.S.R.	OFA–OJZ	Finland
FAA–FZZ	France and Colonies	OKA–OMZ	Czechoslovakia
GAA–GZZ	United Kingdom	ONA–OTZ	Belgium and Colonies
HAA–HAZ	Hungary	OUA–OZZ	Denmark
HBA–HBZ	Switzerland	PAA–PIZ	Netherlands
HCA–HDZ	Ecuador	PJA–PJZ	Netherlands Antilles
HEA–HEZ	Switzerland	PKA–POZ	Indonesia
HFA–HFZ	Poland	PPA–PYZ	Brazil
HGA–HGZ	Hungary	PZA–PZZ	Surinam
QAA–QZZ	(Service abbreviat.)	YOA–YRZ	Roumania
RAA–RZZ	U.S.S.R.	YSA–YSZ	El Salvador
SAA–SMZ	Sweden	YTA–YUZ	Yugoslavia
SNA–SRZ	Poland	YVA–YYZ	Venezuela
SSA–SUZ	Egypt	YZA–YZZ	Yugoslavia
SVA–SZZ	Greece	ZAA–ZAZ	Albania
TAA–TCZ	Turkey	ZBA–ZJZ	British Colonies
TDA–TDZ	Guatemala	ZKA–ZMZ	New Zealand
TEA–TEZ	Costa Rica	ZNA–ZOZ	British Colonies
TFA–TFZ	Iceland	ZPA–ZPZ	Paraguay
TGA–TGZ	Guatemala	ZQA–ZQZ	British Colonies
THA–THZ	France and Colonies	ZRA–ZUZ	Union of S. Africa
TIA–TIZ	Costa Rica	ZVA–ZZZ	Brazil
TJA–TZZ	France and Colonies	2AA–2ZZ	United Kingdom
UAA–UQZ	U.S.S.R.	3AA–3AZ	Monaco
URA–UTZ	Ukrainian U.S.S.R.	3BA–3FZ	Canada
UUA–UZZ	U.S.S.R.	3GA–3GZ	Chile
VAA–VGZ	Canada	3HA–3UZ	China
VHA–VNZ	Australia	3VA–3VZ	France and Colonies
VOA–VOZ	Canada	3WA–3WZ[1])	Vietnam
VPA–VSZ	British Colonies	3XA–3XZ	(Not allocated)
VTA–VWZ	India	3YA–3YZ	Norway
VXA–VYZ	Canada	3ZA–3ZZ	Poland
VZA–VZZ	Australia	4AA–4CZ	Mexico
WAA–WZZ	U.S.A.	4DA–4IZ	Philippines
XAA–XIZ	Mexico	4JA–4LZ	U.S.S.R.
XJA–XOZ	Canada	4MA–4MZ	Venezuela
XPA–XPZ	Denmark	4NA–4OZ	Yugoslavia
XQA–XRZ	Chile	4PA–4SZ	British Colonies
XSA–XSZ	China	4TA–4TZ	Peru
XTA–XTZ	France and Colonies	4UA–4UZ	United Nations
XUA–XUZ[1])	Cambodia	4VA–4VZ	Haiti
XVA–XVZ[1])	Vietnam	4WA–4WZ	Yemen
XWA–XWZ[1])	Laos	4XA–4XZ[1])	Israel
XXA–XXZ	Portuguese Colonies	4YA–4YZ[1])	Intern. Civil Aviation Org.
XYA–XZZ	Burma		
YAA–YAZ	Afghanistan	5AA–5AZ	Libya
YBA–YHZ	Indonesia	5CA–5CZ[1])	Morocco (French)
YIA–YIZ	Iraq	9AA–9AZ[1])	San-Marino
YJA–YJZ	New Hebrides	9NA–9NZ[1])	Nepal
YKA–YKZ	Syrian Republic	9SA–9SZ[1])	Saar Territory
YLA–YLZ	Latvia		
YMA–YMZ	Turkey		
YNA–YNZ	Nicaragua		

[1]) *Provinsially*

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Caspe, 12.
EAJ 3 Radio Valencia.
Don Juan de Austria, 5.
EAJ 4 Radio Galicia.
Plaza de la Universidad, 5.
Santiago de Compostela.
EAJ 5 Radio Sevilla.
Rafael González Abreu, 4.
EAJ 7 RADIO MADRID
Avenida de José Antonio, 32.
EAJ 8 Radio San Sebastián.
Avenida de España, 27.
EAJ 11 Radio Reus.
Arrabal de Santa Ana, 50.
EAJ 28 Radio Bilbao.
Rodríguez Arias, 8.
EAJ 31 Radio Alicante.
García Morato, 55.
EAJ 54 Radio Alcira.
Plaza del Caudillo, 51.
Alcira (Valencia).
Radio Mediterráneo (O. C.)
Avenida del Marqués de Sotelo, 2.
Valencia.

EAJ 13 Radio Mallorca.
Paz, 12.
Palma de Mallorca.
EAJ 14 Radio Castellón.
Moyano, 1.
Castellón de la Plana.
EAJ 16 Radio Granada.
Gran Vía, 27.
EAJ 17 Radio Murcia.
Plaza de Cetina, 2.
EAJ 22 Radio Huesca.
San Salvador, 19.
EAJ 23 Radio Gandía.
San Pascual, 15.
EAJ 27 Radio Castilla.
Espolón, 40.
Burgos.
EAJ 32 Radio Santander.
Palacio del R. C. Regatas.
EAJ 40 Radio Pontevedra.
Peregrina, 33.
EAJ 41 Radio Coruña.
Fontán, 3.
EAJ 44 Radio Albacete.
Pasaje de Lodares, 4.

EAJ 47 Radio Valladolid.
General Mola, 1.
EAJ 50 Radio Las Palmas.
Triana, 134, bis.
Las Palmas de Gran Canaria.
EAJ 52 Radio Extremadura.
Teniente Coronel Yagüe, 2.
Badajoz.
EAJ 56 Radio Salamanca.
Rosa, 2. (Gran Vía).
EAJ 58 Radio Jerez.
Angustias, 11.
EAJ 61 Radio Jaén.
Bernabé Soriano, 18.
EAJ 62 Radio Vitoria.
Postas, 19.
EAJ 65 Radio Ciudad Real,
Avenida de los Mártires, 10.
EAJ 72 Radio Zamora.
San Torcuato, 20.
Radio Internacional.
Goya, 34 (Tánger).

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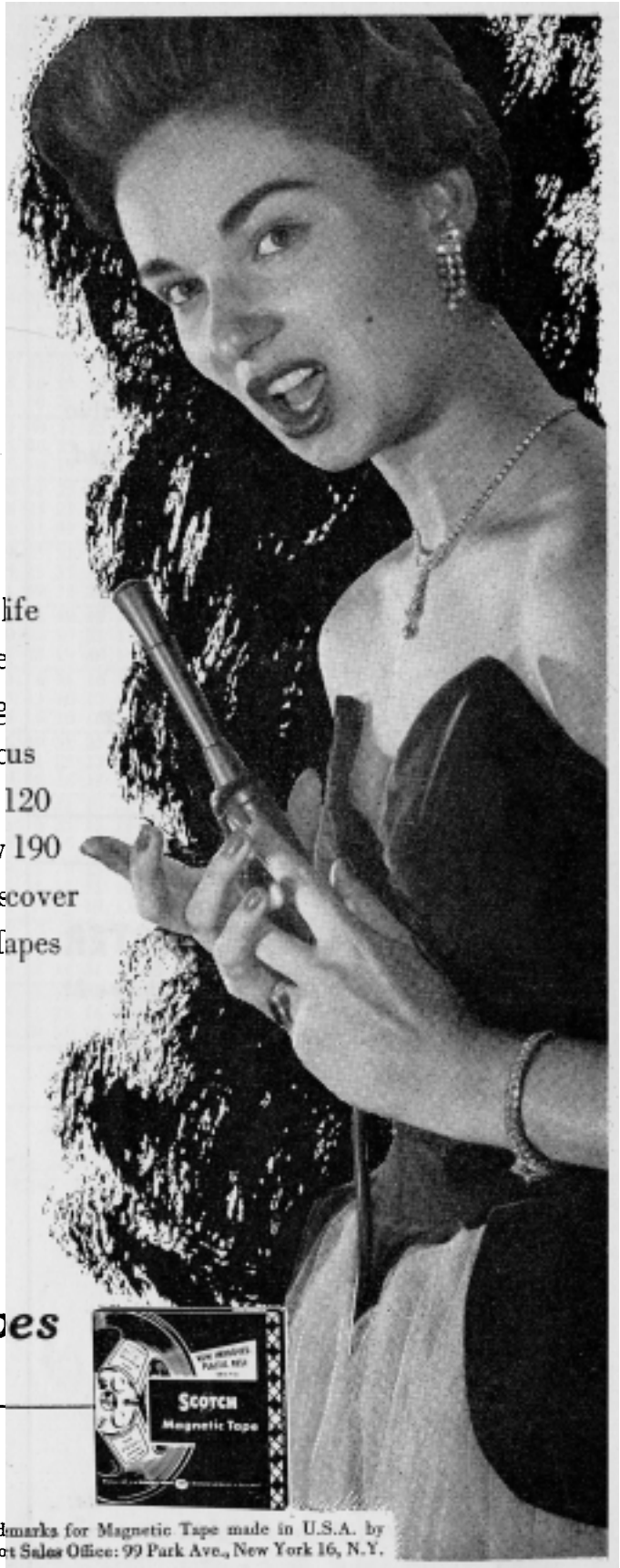

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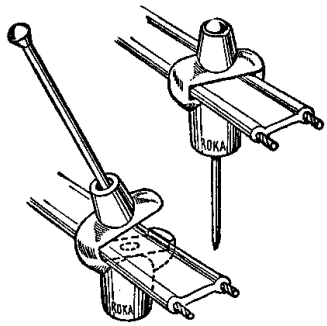

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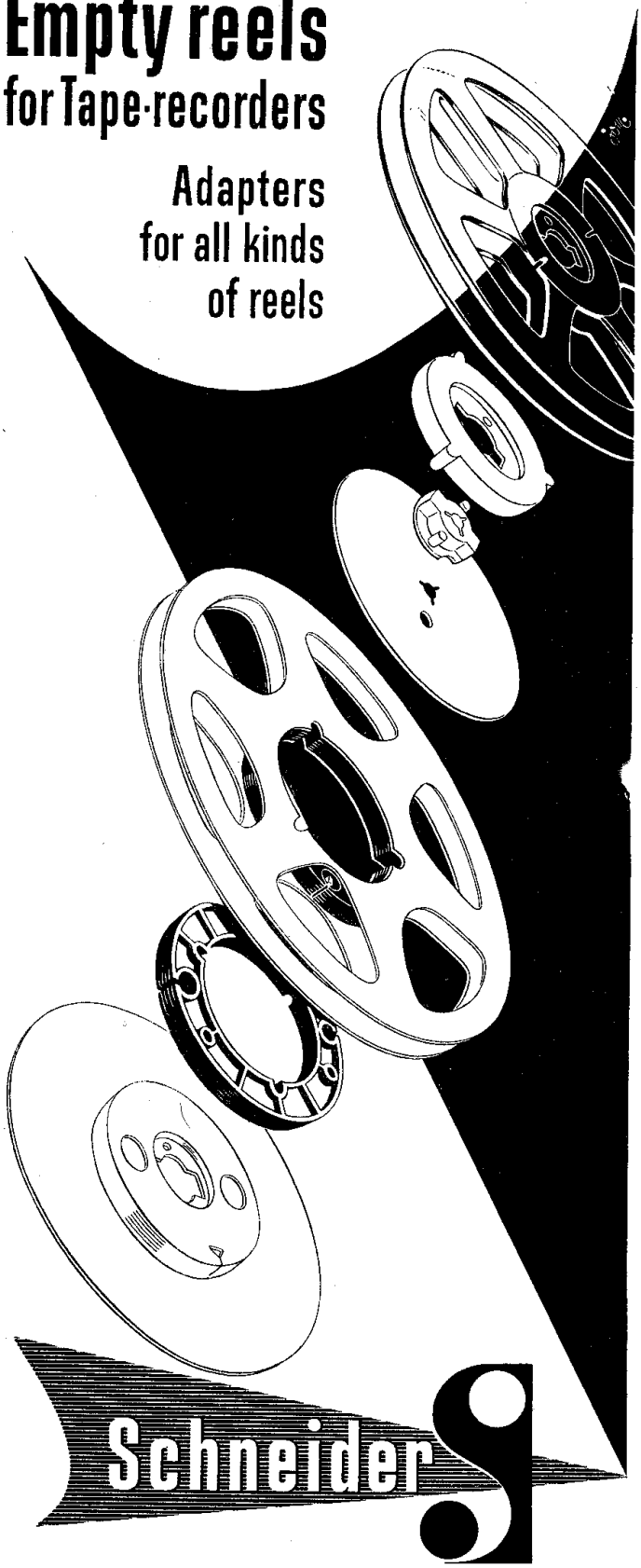


Schneider

CARL SCHNEIDER ROHRBACH-DARMSTADT 2

advertisement Robert Karst ROKA Schneider the christian Broadcaster

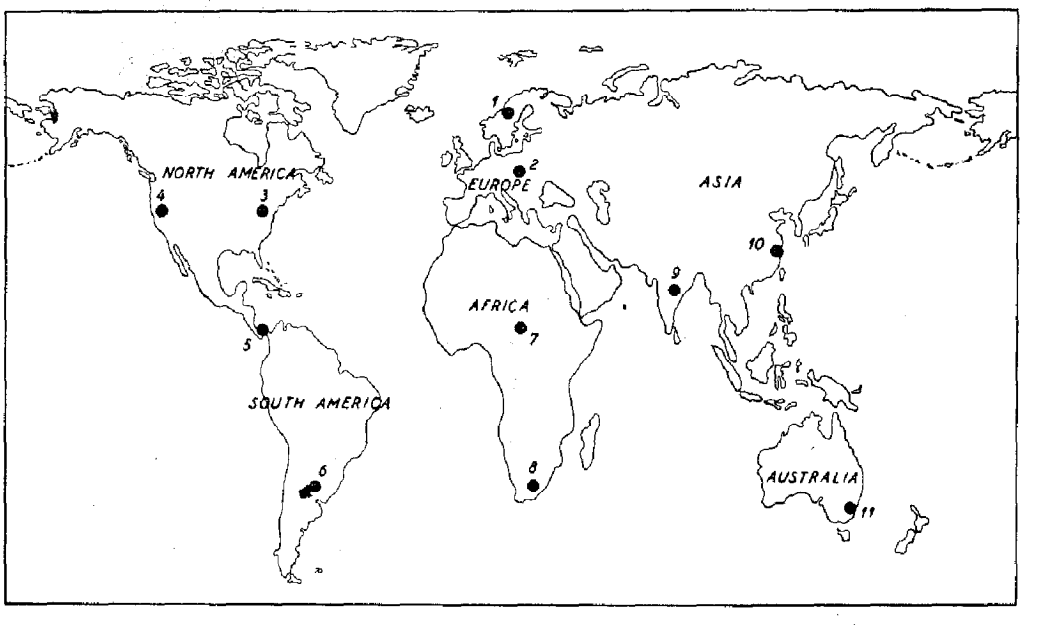
TABLE OF THE MOST SUITABLE METRE BANDS FOR BEST SHORT-WAVE RECEPTION IN EVERY PART OF THE WORLD AT VARIOUS TIMES OF THE DAY IN 1956.

Note: The figures in the table below are calculated for a specific point within each area as indicated on the chart below. The area numbers on the chart refer to the numbers indicated in the left-hand column of the table.

The figures in the table can be regarded only as average figures, as conditions will vary considerably from time to time due to irregularities in the ionosphere.

Example: A listener located in the eastern part of North America (area 3) wishes to hear a station in the southern part of Africa (area 8) on a January evening (21 local time). By following the horizontal column of figures starting at North America, East, on the left until it meets the vertical columns under the area no. 8 in the section for the months November, December, January and February on the right, he will come to the figure 41. This means that the 41 metre bands is the most suitable for listening to the required station at that time.

The listener's area	Local time	Area of the transmitting station																																	
		May			June			July			August		March			April			Sept.			October		Nov.			Dec.			Jan.			Feb.		
		1	2	3	4	5	6	7	8	9	10	11	1	2	3	4	5	6	7	8	9	10	11	1	2	3	4	5	6	7	8	9	10	11
1. Scandinavia	9	31	25	31	25	25	31	16	25	16	19	16	41	31	31	31	31	25	16	16	25	19	19	49	31	49	49	49	49	13	13	13	16	16
	15	31	25	25	25	25	19	16	16	16	19	16	31	25	16	25	16	16	16	16	16	19	25	49	31	16	49	13	13	13	13	25	41	41
	21	31	25	19	25	19	16	16	16	19	19	16	41	41	16	25	19	16	25	25	16	31	31	49	49	49	31	49	49	41	41	41	41	41
2. Central-Europe	9	25	25	31	25	25	31	16	16	16	16	16	31	31	49	31	25	31	13	13	13	16	16	31	31	49	49	31	19	13	13	13	13	13
	15	25	25	25	25	16	16	16	13	16	19	13	25	31	16	25	16	13	13	13	16	19	19	31	31	13	49	13	13	13	11	25	41	25
	21	25	25	19	25	16	16	16	16	16	19	16	31	41	16	19	19	19	25	19	25	25	31	49	49	49	49	31	31	31	31	41	41	41
3. North America, East	9	25	25	31	25	16	16	19	16	25	31	31	16	16	31	25	16	16	16	16	19	25	25	16	13	31	25	13	13	13	13	25	41	16
	15	19	19	31	25	13	16	16	16	25	25	25	16	16	25	25	13	13	16	16	25	19	31	49	49	25	16	13	13	25	16	41	41	25
	21	25	25	31	31	16	16	16	31	25	25	16	31	31	31	49	25	19	25	25	25	19	31	49	49	49	31	25	25	41	41	41	41	41
4. North America, West	9	25	25	25	31	16	16	25	19	16	25	41	25	19	25	31	16	16	16	16	25	25	41	25	25	16	31	13	13	13	13	41	41	25
	15	25	19	49	31	16	19	19	19	25	16	16	25	25	25	25	13	13	19	19	16	16	13	31	49	25	25	16	16	25	16	41	16	13
	21	25	25	25	31	19	31	25	25	19	16	16	25	41	49	31	25	25	31	41	19	16	25	41	49	49	49	49	49	41	41	49	49	31
5. South America, North	9	25	16	16	19	25	16	19	16	16	19	49	16	16	16	19	49	13	13	13	16	25	31	16	13	13	25	16	13	13	13	31	41	25
	15	19	16	13	16	16	13	16	25	16	25	49	16	19	13	13	25	13	16	25	25	25	25	49	41	13	13	16	13	16	16	41	31	16
	21	25	25	16	16	25	25	25	31	19	16	19	31	31	25	19	49	16	19	41	25	25	13	49	41	25	25	31	25	31	25	31	25	16
6. South America, South	9	16	16	19	31	19	16	16	13	13	25	41	16	13	16	31	16	13	13	13	13	19	31	13	13	16	49	16	25	13	13	13	16	16
	15	16	16	16	16	13	13	13	25	16	25	41	16	13	13	16	13	13	11	16	13	25	41	25	25	13	13	13	16	13	13	16	25	31
	21	25	25	16	25	19	25	19	31	31	16	41	25	25	16	16	16	19	19	25	31	13	25	49	41	25	16	16	25	31	16	31	16	25
7. Africa, North	9	19	19	31	25	25	31	25	16	13	16	16	19	16	49	31	25	25	25	13	13	16	16	16	16	49	31	49	49	16	13	13	16	13
	15	16	16	19	25	19	16	16	16	11	16	25	16	13	16	25	13	11	16	13	11	16	25	13	13	16	13	49	13	16	13	13	31	13
	21	16	16	19	25	13	13	19	16	16	25	25	19	19	16	16	13	13	19	13	16	25	31	41	31	25	16	16	16	25	13	25	41	25
8. Africa, South	9	31	16	25	25	31	31	16	25	13	13	13	16	13	31	41	19	31	13	31	13	13	16	16	13	31	49	31	25	13	19	13	13	16
	15	16	13	16	25	16	13	16	25	16	13	25	16	13	16	25	13	13	13	25	13	13	25	13	13	13	49	13	13	13	19	13	13	16
	21	16	16	16	19	25	25	16	49	25	25	41	19	19	16	16	19	19	13	41	13	16	41	41	25	13	13	13	13	13	25	16	25	31
9. South Asia	9	19	16	25	16	19	31	19	31	16	16	13	41	19	25	16	25	25	25	25	16	13	13	41	41	49	31	31	16	41	16	19	13	13
	15	19	16	25	19	25	31	13	13	13	11	16	19	31	31	31	31	16	11	13	11	11	16	13	13	49	49	31	13	13	13	13	13	13
	21	16	16	25	19	16	16	11	16	16	16	25	16	16	19	25	19	13	11	13	13	16	25	31	25	25	49	31	13	16	13	16	16	16
10. East Asia	9	25	25	25	16	16	16	25	31	19	25	13	31	25	16	16	16	13	31	25	25	31	13	41	41	49	16	16	49	41	41	41	25	13
	15	25	16	25	16	25	19	16	13	13	19	13	25	16	25	16	31	16	16	13	11	16	13	25	25	31	49	31	16	25	13	13	25	13
	21	25	19	31	25	25	31	16	16	11	19	25	16	16	31	31	31	25	13	13	11	25	16	25	25	49	49	49	13	25	13	13	31	25
11. Australia	9	19	16	16	16	16	31	25	41	25	13	25	31	25	19	13	16	19	19	31	25	13	25	41	41	25	13	16	25	25	25	25	13	19
	15	25	19	25	16	25	49	16	25	13	13	25	25	16	31	25	16	25	16	16	13	13	25	25	16	49	31	16	16	13	16	13	13	19
	21	16	13	25	25	49	49	16	16	25	25	41	19	16	19	31	25	31	19	19	16	16	31	25	13	25	31	31	16	13	16	16	25	19



1. Scandinavia
2. Central-Europe
3. North America, East
4. North America, West
5. South America, North
6. South America, South
7. Africa, North
8. Africa, South
9. South Asia
10. East Asia
11. Australia

advertisement Manila Broadcasting company MBC

E U R O P A

GREECE: Folk dancers from Crete in their picturesque costumes. →

DEUTSCHE WELLE: Hilde Stallmach answers letters from listeners in the prgr. "Unter uns gesagt" (mailbag). →

The FINNISH BROADCASTING COMPANY: The reindeer King Aslak Juuso of Lapland interwiewed by the wellknown radio commentator Pekka Tiilikainen. ←

↑ RADIODIFFUSION INTERCONTINENTAL: Beatrix Cervantes and Enrique Maristany give typical vaudeville performances daily in costumes from Madrid.

R. LISBOA: A young girl from Northern Portugal sends greetings to a friend in the Portuguese fishing fleet. ↓

↑ THE BRITISH BROADCASTING CORPORATION, well known British novelist, broadcasting in the BBC Danish Service.

Europe Deutsche Welle Greece Hilde Stallmach Lapland Aslak Juuso Finnish Broadcasting Company Spain Beatrix Cervantes Enrique Maristani
Radiodiffusion Intercontinental Radio Lisboa Portugal BBC

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REYKJAVIK
KEFLAVIK
EIDAR
200 K
Barents Sea
White Sea
FINNMARK
TROMSÖ
NARVIK
FIN-
LAND
BODÖ
LULEÅ
OULU
SWE-
YLIVIESKA
UMEÅ
ÖRNSKÖLDSVIK
PIETAR-SAARI
KUOPIO
PETROZAVODSK
TRÖNDELAG
ÖSTERSUND
VAASA
TAMPERE
LAHTI
SUNDSVALL
PORI
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LENINGRAD
VIGRA
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TURKU
BERGEN
FALUN
TALLIN
OSLO
UPPSALA
TARTU
ESTONIA
GREAT BRITAIN
PORSGRUNN
FREDRIKSTAD
STOCKHOLM
MOSCOW
STAVANGER
ÖREBRO
Baltic Sea
LATVIA
BURGHEAD
MOTALA
RIGA
SCOTL.
KRISTIANSAND
VISBY
MADONA
REDMOSS
GÖTEBORG
BORÅS
KALMAR
SMOLENSK
WESTERGLEN
GLASGOW
North Sea
Aalborg Skive
HALMSTAD
KARLSKRONA
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MOGHILEV
NEWCASTLE
ESBJERG
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GREECE
LISBOA
SPAIN
MENORCA
Tyrrhenian Sea
VALENCIA
MALLORCA
SARDINIA
ATHINAI
PORTUGAL
CAGLIARI
ALICANTE
Ionian Sea
SEVILLA
PALERMO
MESSINA
FARO
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CALTANISSETA
CATANIA
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SICILY
CHANIA
CRETE
TANGER
TUNIS
ALGER
CONSTANTINE
TETUAN
ORAN
ALGERIA
RABAT
SEBAA AIOUN
AFRICA
TRIPOLI
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Atlantic Ocean
Black Sea
Aegean Sea
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ABBREVIATIONS:

A. A. = Alberta – A.C.E. = America Calling Europe – Addr. = Address – A.E.F. = Afrique Equatoriale Francaise – Af. = Africa – A.M. = Amplitude modulation – An. = Angola – Ann. = Announcement – A.O.F. = Afrique Occidentale Francaise – Apr. = April – Asst. = Assistant – Asst. Gen. Mgr. = Assistant General Manager – Au. = Australia – Aug. = August – Av. = Avenue. – A.B.C. = American Broadcasting Company - AFN = American Forces Network (USA) – Afg. = Afghanistan – AIR = All India Radio – A.F.R.T.S. = Armed Forces Radio and Television Service. – Apt. = Apartado.

B. B. = Brazil – B.B.C. = British Broadcasting Corporation – B.C. = British Columbia – Bldg. = Building – B.P. = Boite Postale – Broadc. = Broadcasting – Be = Bengali – BR = Bayerischer Rundfunk – BFN = British Forces Network – Ba = Baluchi – Bu = Burma.

C. C. = Congo – Ca. = Canada – C.Af. = Central Africa – C.Am. = Central America – C.A.B.C. = Central African Broadcasting Corporation – Cath. = Catholic – C.B.C. = Canadian Broadcasting Corporation – C.Eu. = Central Europe – Comm. = Commercial – Contr. = Controller – Ch. = Channel – C.V. = Cape Verde Islands – C.B.S. = Columbia Broadcasting System.

D. D. = Daily – d. = Directional aerial – Dec. = December – Dif. = Difinition – Dir. = Director – Dir. Adm. = Director of Administration – Dir. Gen. = Director General – Dir. Prgr. = Director of Programmes – Dir. Tec. = Technical Director – Dir. Transm. = Director of Transmissions – Dom. = Dominion – D. Prgr. = Daily Programmes – D.S. = Danish Ships – D.D.R. = Deutsche Demokratische Republik – Dep. = Deputy.

E. E. = English – E. = East – E.Af. = East Africa – E. by R. = English by Radio – Eng. = Engineer – Equ. = Equatorial – E.R.P. = Effective radiated power – Eu. = Europe – exc. = except – exp. = experimental.

F. F. = French – F.E. = Far East – Feb. = February – F.I. = Faroe Islands – F.M. = Frequency modulation – Fri. = Friday – F.Af. = French Africa – F.B.S. = Forces Broadcasting Service. – Fl = Flemish.

G. G. = Guinea – Germ. = Germany – G.O.S. = General Overseas Service – Govt. = Government.

I. I. = India – In. = Indonesia – Inf. = Information – Int.-S. = Interval-Signal – Ir. = Iran.

J. Jan. = January.

K. kc/s = kilocycles – kW = kilowatt – Ka. = Kashmir – K.B.S. = Kenya Broadcasting Service.

L. L.P. = Leading Personalities.

M. M. = Manitoba – Ma. = Madagascar – Mac. = Macau – Mgr. = Manager – M.E. = Middle East (Near East) – Mo. = Monday – mod. = modulation – Moz. = Mozambique – m.w. = medium wave – mc/s = megacycle per second – M.B.S. = Mutual Broadcasting System – Man. = Managing.

N. N. = News – n. = night – N.Af. = North Africa – N.Am. = North America – N.An. = Netherlands Antilles – N.E. = Near East – Nat. = National – Nf. = New Foundland – N.G. = New Guinea – No. = North – Nov. = November – N.S. = Nova Scotia – N.Z. = New Zealand – N.B. = New Brunswick – N.B.C. = National Broadcasting Company – N.D.R. = Norddeutscher Rundfunk.

O. Oc. = Oceania – Oct. = October – O. = Ontario – occ. = occasionally.

P. P. = Portuguese – Pro. = Province – Pr. Private – Pres. = President – Prgr. = Programme – Prgr. Prev. = Programme Preview. Pa. = Pashto.

Q. Qu. = Quebec.

R. R. = Radio – Reg. = Regional – Rep. = Representative – Rel. = Relay – R.I.A.S. = Rundfunk im amerikanischen Sektor Berlin – RU = Ruanda Urundi. – Rio de J. = Rio de Janeiro.

S. S.Af. = South Africa – S.Am. = South America – S.As. = South E. Asia – Sas. = Saskatchewan – Sat. = Saturday – S.B.S. = Seoul Broadcasting Station – Sce. = Service – Secr. = Secretary – Sept. = September – Sgt. = Sergent – So. = South – Soc. = Sociedade – Sp. = Spain – St. = Station – S.T. = Sao Tome – Sur. = Surinam – Su. = Summer – Sun. = Sunday – s.w. = short/wave – str. = street – S.D.R. = Süddeutscher Rundfunk – S.W.F. = Südwestfunk – S = Summertime.

T. Tec. = Tecnic – Ti. = Timor – Thurs. = Thursday – Tu. = Turkey – Tues. = Tuesday – T.V. = Television.

U. U.K. = United Kingdom – U. = Urdu.

W. W. = Weekdays – We. = West – Weatherr. = Weatherreport – Wed. = Wednesday – Wi. = Winter – W.D.R. = Westdeutscher Rundfunk.

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EUROPE

ALBANIA

R. TIRANA (Govt.)

ADDRESS: Direction Centrale de la Radiodiffusion d'Albania, rue Conference de Peza 3, Tirana.

LEADING PERSONALITY: Director Peter Kito.

STATIONS:

	kc/s	m	kW		kc/s	m	kW
Tirana	1358	220.9	50	Tirana	7850	38.20	3
Korca	1088	275.7	0.2	Shkodra	8215	36.52	0.2

FOREIGN SERVICE:
On 7850 kc/s: 17.30–22.30.

17.30 **Russian**	19.30 **Greek**	21.00 **French**
18.00 **Albanian**	20.00 **Italian**	21.30 **Albanian**
18.30 **Turkish**	20.30 **English**	22.00 **English**
19.00 **Serbo-Croat**		

On 1358 kc/s: 22.00–23.30.

22.00 **Italian**	22.30 **Greek**	23.00 **Serbo-Croat**

ANNOUNCEMENT: "This is Radio Tirana, Albania on 38.2 m".

INTERVAL-SIGNAL: 7 musical notes played on piano.

VERIFICATION by letter.

ANDORRA

RADIO ANDORRA (PR. COMM.)

ADDRESS: Radio Andorra, Roc de les Anelletes, Andorra la Vieja (Principado de Andorra). Cable: Radio Andorra.

LEADING PERSONALITIES: Dir. Gen.: Georges Dahlqvist. Chef Ingenieur: Lucien Killmayer. Secretariat General: Melle Julia Canut. Chef du Service Artistique: Paul Servant. Metteurs en Onde: Henri de Camaret, William Danjon. Programmes: Amadeo Rossell. Service des Auditeurs: Melle. Montserrat Rodriguez. Chef technique de la Station: Paul Cousse. Assesseur: Fermin Malleu.

STATIONS: Radio Andorra
998 kc/s 301 m 60 kW – 5972 kc/s 50.22 m 25 kW

DAILY PROGRAMMES in French and Spanish (occasionally in English, Italian, Portuguese): D. 11.00–23.00.
Program Preview: 11.00, 14.00, 17.00. – **Weatherrep.:** 12.00, 18.15. – **Time Sig.:** 12.00, 14.00, 20.00, 21.00, 23.00.
Programmes for Spain, Portugal, France, Switzerland, Belgium, Italy and N. Africa.

ANNOUNCEMENT: **French:** "Ici Radio Andorre". **Spanish:** "Aquí Radio Andorra – Roc de les Anelletes – Andorra la Vieja – Principado de Andorra".

INTERVAL SIGNAL: Gong low. Open and close with "Hymne National Andorran" and "Marche des Conseillers andorrans".

VERIFICATION by QSL-card. FUTURE PLANS: m.w. 100 kW.

AZORES. s.

EMISSORA REGIONAL DOS AÇORES (GOVT.)

ADDRESS: Avenida Gaspar Fructuoso, Ponta Delgada. S, Miguel.

LEADING PERSONALITIES: Manager Carlos Carreiro Lima Araujo.

HOME SERVICE in Portuguese:
CSA93 4865 kc/s 61.66 m 1 kW: 21.15–24.00.
CSA92 11925 – 25.17 – 1 – : 20.00–21.00. To Portugal.
N.: D. 20.30 (11925), 22.30 (4865). – **Listeners Choice:** Tues. 23.00–23.40 (Classic), Thurs. 21.30–22.20 (Light). – **Weatherrep.:** D. 00.01 (4865). – **Azorean Newspaper:** 1st and 4th Sun.: 20.30–21.00 (11925); 21.15–21.45 (4865).

ANNOUNCEMENT: "Aqui Portugal, Ponta Delgada, Emissora Regional dos Açores da Emissora Nacional".

INTERVAL-SIGNAL: One clock-chime (4865) – 6 clock chimes (11925).

EMISSORA DO CLUBE ASAS DO ATLANTICO (PR. COMM.)

ADDRESS: Aeroporto de Santa Maria, Açores.

LEADING PERSONALITIES: Directors: Dr. José Gomes Pepe, M. Bettencourt, A. Barros, C. Cruzinha, M. Viula, A. Carvalho, M. Saldanha. Dir. Tec.: Eng. Arménio Frazao.

HOME SERVICE in Portuguese: D. 21.00–22.00, 23.00–01.00. Sun. also 13.00–15.00.
CSB81 1571 kc/s 191 m 0.08 kW – N.: 24.00.
Weatherrep.: 21.00, 24.00.

ANNOUNCEMENT: "Aqui Santa Maria. Fala a Estaçao Emissora do Clube Asas do Atlantico.

INTERVAL-SIGNAL: Opens with music played on a Portuguese string instrument (viola) and a guitar.

VERIFICATION by letter. Return postage not required.

FUTURE PLANS: Authorized to be increased to 1 kW and to use FM: 90.1 mc/s.

RADIO CLUB DE ANGRA (Comm.).

ADDRESS: Rua Conselheiro Anastacio de Bettencourt, Angra do Heroismo, Ilha Terceiro. – LEADING PERSONALITIES: Pres.: J. Menezes. Vice Pres.: Dr. G. Martius. Secr.: A. Ataide. Adm.: Eng. J. Areia. Dir. Prgr.: J. Afonso. Dir. Tec.: J. E. L. Fernandes. – HOME SERVICE: 1322 kc/s 226.9 m 0.15 kW. W. 20.00–23.00. Sun. 12.00–16.00. – **National Music:** D. 21.00–21.30. – **Request Prgr.:** Sat. 20.30–23.00. N.: W. 21.30. Sun. 14.30.

AUSTRIA

ÖSTERREICHISCHER RUNDFUNK (Govt.)

ADDRESSES: Osterreichischer Rundfunk, Wien, III, Beatrixgasse 1 (Postfach 337 & 338). Cable: Rundfunk, Wien.

Competent Authorities: Bundesministerium für Verkehr und verstaatlichte Betriebe.

LEADING PERSONALITIES: **Board of Directors:** Dipl.-Ing. Wilhelm Füchsl. Prof. Dr. Alfons Übelhör. **Central Departments:** Prgr. Dir. Prof. Dr. Rudolf Henz. Technic: Dr. Georg Skalar (studio), Ing. Gottfried Caspar (transmitters). Adm.: Ing. Adolf Prager.

STUDIOS: Radio Graz: Zusertalgasse 14A, Graz III. Cable: Radio Graz. Intendant: Peter Goritschnig. Programme: Otto Hofmann-Wellenhof. Technic: Ing. Wilhelm Walzel. Adm.: Dr. Walter Skala. – **Radio Klagenfurt:** Sponheimerstrasse 13, Klagenfurt. Cable: Radio Klagenfurt: Intendant Peter Goritschnig. Programme: Ing. Josef Dörflinger. Technic: Ing. Herbert Lampersberger. Adm.: Leopold Seiser. – **Radio Linz:** Obere Donaulände 1, Linz. Cable: Radio Linz: Intendant: Alfred Schwetz (also prgr.). Technic: Ing. Fritz Löffler. Adm.: Ing. Andreas Hempfinger. – **Radio Salzburg:** Hofstallgasse 5, Salzburg. Cable: Radio Salzburg. Intendant: Dr. Paul Becker (also prgr.). Technic: Ing. Ernst Walzel. – **Radio Tirol:** Landhaus-Neubau, Innsbruck. Cable: Radio Tirol. Intendant: Dr. Josef Scheidle. Prgr.: Dr. Arthur Schuschnigg. Technic: Dipl.-Ing. Rudolf Ottenthal. Adm.: Hans Frei. – **Radio Vorarlberg:** Neues Rathaus, Dornbirn. Cable: Radio Vorarlberg. Intendant: Carl Emmerich Gasser. Prgr.: Grete Dünser. Technic: Ing. Karl Brüstle. – **Radio Wien:** Argentinierstrasse 30a, Wien IV. Cable: Radio Wien. Intendants: Hans Bujak, Dr. Siegmund Guggenberger. Prgr.: Dr. Ernst Glaser. Technic: Ing. Anton Sevcik. Adm.: Dr. Dpl. Kfm. Rudolf Pristov.

HOME SERVICE:

FIRST PROGRAMME: W.: 04.30–24.00. Sun.: 05.00–24.00.
MEDIUM WAVES:

	kc/s	m	kW		kc/s	m	kW
Dornbirn	629	476.9	25	Linz	890	337.1	15/1
Innsbruck		476.9	25	Graz	1394	215.2	25
Klagenfurt	728	412.1	25	Wien	1475	203.4	25
Salzburg	773	388	1				

LOW POWER STATIONS: Watt

							Watt
Eisenkappel	520	576.9	50	Völkermarkt		275.7	50
Feldkirchen		576.9	50	Wolfsberg		275.7	50
Landeck[1])		576.9	50	Imst	1124	266.9	50
Lienz[1])		576.9	80	Mürzzuschlag[1])	1128	265.9	100
Greifenburg[1])	610	491.8	50	Zell/See[1])	1142	262.7	50
Eisenerz[1])	615	487.4	100	Bruck/Mur[1])	1182	253.8	100
Bad Aussee[1])	616	487	25	Hofgastein[1])	1205	249	50
Radenthein[1])	622	482	100	Judenburg[1])	1219	246.1	100
Kitzbühel[1])	629	476.9	50	Bischofshof.[1])	1255	239	50
Admont	692	434	30	Leoben[1])	1313	228.5	100
Kötschach		434	100	Mariazell		228.5	50
Obervellach		434	50	Bad Ischl[1])	1394	215.2	50
Villach[1])		434	100	Maria Pfarr[1])	1406	213.4	50
Zwettl		434	50	Radstadt[1])	1425	210.5	50
Hermagor[1])	773	388	50	Amstetten	1457	205.9	50
Oberdraub.[1])		388	50	Schruns		205.9	50
Spittal/Drau[1])		388	100	St. Pölten[1])		205.9	50
Murau[1])	886	338.6	25	Mittersill	1493	200.9	50
Gmünd/Krn.[1])	888	337.8	50	Saalfelden		200.9	50
Kufstein[1])	1002	299.4	15	Schwarzach		200.9	50
Mayrhofen[1])	1038	289.1	45	St. Mich./Lung.		200.9	50
Bleiburg[1])	1062	282.5	50	Windischg.[1])		200.9	35
Friesach	1088	275.7	50	Reutte[1])		200.9	15
Kindberg		275.7	50	Wörgl[1])		200.9	50
Knittelfeld		275.7	50	Bludenz[1])	1498	200.3	15
Liezen		275.7	50				

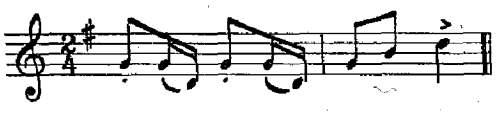
[1]) operated by postal adm.

FM: Kahlenberg: 95.8 mc/s 30 kW – Jauerling: 94.3 mc/s 10 kW.

N., Weatherrep., Time Sig.: W.: 04.45, 05.45, 06.45, 11.30, 16.00, 18.45, 21.00, 23.00. Sat. 24.00. Sun.: 05.45, 11.30, 18.45, 21.00, 23.00.

ANNOUNCEMENT: "Hier ist der österreichische Rundfunk. Erstes Program, von Radio (name of studio) hören Sie...".

INTERVAL-SIGNAL: Extract of ballet music from "Rosamunde" by Franz Schubert.



SECOND PROGRAMME: W: 04.30–24.00. Sun.: 05.00–24.00.

MEDIUM WAVES:

	kc/s	m	kW		kc/s	m	kW
Innsbruck	520	576.9	10	Wien		513.7	100
Klagenfurt	584	513.7	7	Dornbirn	1025	292.7	10
Lienz		513.7	10*)	Graz		292.7	100
Salzburg		513.7	10	Linz		292.7	100

LOW POWER STATIONS:

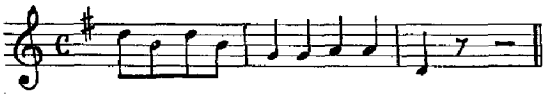
	kc/s	m	Watt		kc/s	m	Watt
Krems	1052	285.2	50	Gloggnitz	1457	205.9	50
Neunkirchen		285.2	50	Wr. Neustadt		205.9	50

*) expected to operate 1956.

N., Weatherrep., Time-Sig.: 05.00(W), 06.00, 07.00(W), 12.00, 16.00, 18.00, 20.00, 22.00, 23.00.

ANNOUNCEMENT: "Hier ist der österreichische Rundfunk, zweites Program, von Radio (name of studio) hören Sie...".

INTERVAL-SIGNAL: From "Zauberflöte" by W. A. Mozart.



THIRD PROGRAMME: 14.00 (Sat., Sun. 13.00) – 22.05.

FM:	mc/s	kW		mc/s	kW
Innsbruck	88.5	0.3	Graz	95.4	10*)
Jauerling	88.8	10	Villach	97.8	0.1
Klagenfurt	93.0	1	Linz	99.3	1
Salzburg	94.8	1*)	Wien	99.9	30*)

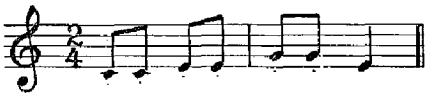
*) July 1956: expected to operate with 50 kW.

N.: 16.00, 18.00, 20.00, 22.00.

"Second Programme" relayed by the transmitters of the "Third Programme" Mo.–Fri. 4.30–14.00, Sat. 4.30–13.00, Sun. 5.00–13.00.

ANNOUNCEMENT: "Hier ist der österreichische Rundfunk. Drittes Program, von Radio (name of Studio) hören Sie...".

INTERVAL-SIGNAL: Extract from G-Mayor Symphony with the kettle-drum beats by Joseph Haydn.



SHORT-WAVE TRANSMISSIONS (irregular):

	kc/s	m	kW	
OEI30[1])	5985	50.13	4	7.00–9.00, 13.00–17.00
OEI20[2])	6000	50.00	0.1	4.40–0.00
OEI21[1])	6155	48.74	0.2	4.30–0.00
OEI31[1])	7135	42.05	0.3	9.00–13.00
OEI22[1])	7245	41.41	(4)	4.30–9.00, 9.30–12.30, 17.00–02.00
OEI32[1])	9505	31.56	0.3	16.00–19.00
OEI33[1])	9615	31.20	0.3	05.00–07.00
OEI23[1])	9665	31.04	(4)	07.00–17.55, 19.00–00.00
OEI35[1])	11775	25.48	0.2	17.05–17.45
OEI24[1])	11785	25.46	0.2	04.30–17.00, 18.00–00.00
OEI36[1])	11935	25.14	0.235	02.30–04.55
OEI37[1])	17795	16.85	0.035	13.00–15.00, 16.00–18.00
OEI38[3])	25615	11.73	20	
OEI39[3])	25945	11.56	20.00	08.00–09.00

[1]) Wien. [2]) Innsbruck. [3]) Fleckendorf operated by postal administr.

VERIFICATION by QSL-card or letter. Return postage not required.

PUBLICATION: "Radio-Österreich", weekly.

BELGIUM

BELGIAN NATIONAL BROADCASTING SERVICE (GOVT.).

ADDRESS: Institut National Belge de Radiodiffusion, Place Eugène Flagey 18, Bruxelles. Cable: I. N. R. Bruxelles.

LEADING PERSONALITIES: The President of the Conseil de Gestion Minister of Communications: Ed. Anseele. **Flemish Dept.:** Dir. Gen.: Jan Boon. Deputy Dir. Gen.: Gust de Muynck. Dir. of Spoken Word: R. Brulez. For Press and Information: H. Engels. Dir. Music: L. Gras. **French Dept.:** Dir. Gen.: Roger Clausse. Asst. Dir. Gen.: Fr. Hoosemans. Dir. Music: G. Brenta. Dir. of Spoken Word: M. Hankard. For Press and Information: André Guery. **Technical Dept.:** Dir. Gen.: F. Mortiaux. Asst. Dir.: G. Hansen. **Foreign Relations:** M. Swaenepoel.

HOME SERVICE in French and Flemish:

FRENCH NETWORK:

Bruxelles I (National)	620 kc/s	483.9 m	150	kW
Bruxelles IV (Regional)*	1124 –	266.9 –	10	–
Bruxelles FM	95.4 mc/s		1	–

*) Progr. from studios in Mons, Namur, Liége, Arlon.

On 620 kc/s: W. 05.30–09.00, 11.00–22.00 (Sat. 23.00), Sun. 05.30–23.00.

N.: 06.00, 07.00, 08.55, 12.00, 18.30, 21.00, 21.55, Sat. Sun. 22.55. **Weatherrep.:** 11.30 and during news bulletins. **Time-Sign.:** 06.00,–07.00. Sun. 09.00, 11.00, 12.00, 16.00, 19.00, 21.00. **Religious Progr.:** Sun. 18.00–18.30. Bel Canto: Sat. 13.30–14.30 followed by **Listeners Requests. Symphony:** Wed. 19.00 or 19.15. **For Troops:** 17.00.

On 1124 kc/s: 09.00–14.30, 17.00–22.00. **German:** W 16.20–16.50.

On 95.4 mc/s (relay 620 kc/s): Sun. 12.00–23.00. Wed. Fri. 12.00–22.00.

FLEMISH NETWORK:

Bruxelles II (National)	926 kc/s	324.0 m	150	kW
Bruxelles III (Regional)**	1511 –	198.5 –	20	–
Bruxelles FM	95.4 mc/s		1	–

** Progr. from studios in Kortrijk, Ghent, Antwerp, Hasselt.

On 926 kc/s: W. 05.30–09.00, 10.45–22.00 (Sat. 23.00). Sun. 05.30–23.00.

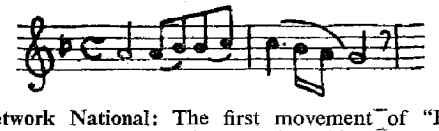
N.: 06.00, 07.00, 08.00, 12.00, 18.00, 21.00, 22.00. – **Weatherrep.:** 05.30, 11.30 and during news bulletins. – **Time-Sig.:** 06.00, 07.00, 11.00, 12.00, 18.00, 21.00. – **Religious Progr.:** Sun. 17.30–18.00. – **Language Lessons:** Thurs. 13.00–13.30 English. – **Symphony:** Fri. 19.00 or 19.15. – **Bel Canto:** Sun. 13.00–14.30.

On 1511 kc/s: 09.00–13.00, 15.30–22.00.

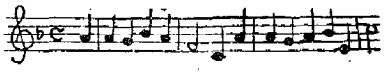
On 95.4 mc/s: (relay 926 kc/s): Mo. Tues. Thurs. 12.00–22.00. Sat. 12.00–23.00.

ANNOUNCEMENTS: **French:** "Ici Bruxelles, Radiodiffusion Nationale Belge". **Flemish:** "Hier Brussel, de Belgische Nationale Radio-omroep". **English:** "Here Brussels, the Belgian National Broadcasting Station".

INTERVAL-SIGNALS: **French Network National:** Extract from Grety's famous melody "Ou peut-on être mieux".



Flemish Network National: The first movement of "Beiaardlied" (Extract from Rubens' cantata by Peter Benoit).



VERIFICATION by QSL-card or letter. Return postage not required.

PUBLICATIONS: "De Radio and Televisieweek" and "Micro-Magazine-Television". Weekly.

FOREIGN SERVICE

ADDRESS: Overseas Service of the BNBS, P.O. Box 26, Bruxelles I. Cable: I. N. R. Mondial.

LEADING PERSONALITIES: Dir.: Frans Zoete. Public Relations: Maurice Tillière.

STATIONS: ORU, Wavre: ORU3 = 100 kW; ORU4 = 100 kW; ORU5 = 20 kW; OTC, Leopoldville, Belg. Congo = 50 kW.

Calll	kc/s	m	Calll	kc/s	m	Calll	kc/s	m
ORU4	6085	49.30	ORU3/5	9745	30.78	ORU5	11850	25.32
ORU3	9144	32.80	ORU3	9767	30.71	ORU4	15335	19.56
OTC	9655	31.07	ORU4	9765	30.71	ORU3	17860	16.80
ORU5	9705	30.91	ORU4	11850	25.32	ORU4	21510	13.94

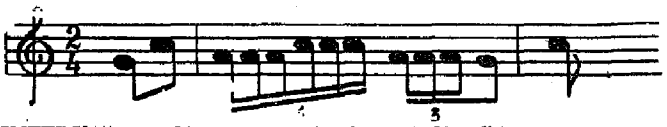
DAILY PROGRAMMES:

	Nov./Feb. kc/s	March/Apr. Sept./Oct. kc/s	Areas
French/Dutch			
10.00–12.00	17860	17860	C, FAF
	21510	15335	C, FAF
12.00–12.15[1])	17860	17860	
	11850	15335	
French/Dutch			
12.15–13.00[2])	21510	15335	FE
	17860	17860	Af
Sun. only.	11850	11850	SEu
13.30–15.15[4])	17860	17860	C, FAf
15.15–16.45[4])	15335	15335	C, FAf
Dutch/French			
17.00–17.45[3])	9745	9745	Af
17.45–18.00[1])	15335	15335	NAm
	11850	11850	SEu
French/Dutch			
18.00–19.00	9745	11850	C, FAf
19.00–21.00[5])	9767	9745	C, FAf
Dutch/French			
21.15–23.00[3])	9765	9765	SAm
	6085	15335	NAm
	9745	9745	SEu
French/Dutch			
23.15–01.00[3])	9144	9144	Af
	6085	9705	Af
	9705	11850	NAm
	9655[6])	9655[6])	NAm

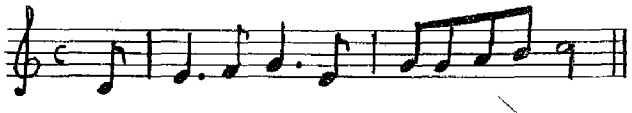
[1]) Musical Interlude.
[2]) for Belgian Missionaries & Seamen.
[3]) For Belgian Seamen and Belgians in the World.
[4]) Sport & music.
[5]) Bilingual Mo. Wed. Fri. Sat. Sun.
[6]) OTC.

ANNOUNCEMENTS: French: "Ici Bruxelles, Service d'ondes courtes de la Radiodiffusion Nationale Belge". – **Dutch:** "Hier Brussels, de Kortegolfuitzendingen van de Belgische Nationale Omroep".

STARTING-SIGNAL: Xylophone.



INTERVAL-SIGNAL: Chime. First bars of "Vers l'Avenir".



VERIFICATION by QSL-card. Return postage not required.

BULGARIA

ADDRESS: Ministry of Culture, Direction of Radioinformation, 4 Dragan Tzankov Str., Sofia. **Cable:** "Radio Sofia".
LEADING PERSONALITY: Chief of International Dept.: M. Zlatincheva.
STATIONS:

	kc/s	m	kW		kc/s	m	kW
Sofia II	593	506	20	Sofia IV	6070	49.42	100
Sofia I	827	362	100	Sofia IV	7255	41.35	100
Stalin	1124	267	5*	Sofia III	7670	39.11	5
Stara Zagora	1223	245	20*	Sofia IV	9700	30.93	100

*) Regional. Relay.

HOME SERVICE in Bulgarian from Sofia:
03.30–08.00 827 N.: 03.30 15.00–20.00 827 N.: 18.30
10.00–13.00 827/7670 N.: 10.30 15.00–22.00 593 N.: 18.30, 20.45, 21.45

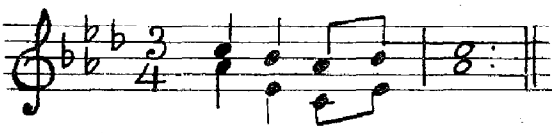
FOREIGN SERVICE:

EUROPEAN SERVICE on 7670, 6070 kc/s:
English: 21.00–21.30, 21.45–22.15 **Greek:** 17.00–17.15, 18.15–18.45
French: 20.30–21.00. **Italian:** 16.45–17.00, 20.00–20.30
German: 19.15–19.45, 21.30–21.45
Macedonian: 17.45–18.15. On 7670, 593 kc/s: 05.00–05.30. On 7670, 7255, 593 kc/s Sun. only: 10.30–11.00 **Serbo-Croat:** 18.45–19.15. On 7670, 7255, 593 kc/s Sun only: 10.00–10.30 and on 7670, 593 kc/s: 05.00–05.30.
Russian: 12.00–12.15 on 7255 kc/s **Turkish:** 17.15–17.45 on 6070, 7670.

NORTH AMERICAN SERVICE: English: 00.30–01.30 (Mo. 01.00–01.30), 04.00–04.30 on 9700 kc/s.

ANNOUNCEMENT: English: "This is Sofia, Bulgaria calling".

INTERVAL-SIGNAL: Beginning of a Bulgarian song which begins with the words: "Dear Homeland":



VERIFICATION by QSL-card. Return-postage not required.

CZECHOSLOVAKIA

THE CZECHOSLOVAK BROADCAST (Govt.)

ADDRESS: Ceskoslovensky rozhlas, Stalinova 12, Praha 12. **Cable:** "Radiopraha".

LEADING PERSONALITY: Leader of the broadcast: Central Director.

HOME SERVICE in Czech and Slovak

	kc/s	m	kW		kc/s	m	kW
Praha II	272	1102.9	200	Mělnik	1286	233.3	100
Praha I	638	470.2	120	Ústí nad Lab.	1484	202.2	2
Bratislava II	701	427.9	2	Liberec	1484	202.2	2
Banska Bystr.	701	427.9	100	Hrad. Králové	1484	202.2	2
Kosice	701	427.9	2	Tatry, Zilina	1484	202.2	2
Dobrochov	953	314.7	100	Ceske Budejov.	1520	197.3	5
Plzen	953	314.7	15	Karlovy Vary	1520	197.3	15
Bratislava I	1097	273.5	150	Ostrava	1520	197.3	20
Kosice, Orava	1232	243.5	100/1.5	Praha FM	56.25 mc/s		

PRAHA I

On 638, 953 kc/s: Mo.–Fri.: 03.30–23.00. Sat. 03.30–24.00. Sun. 05.30–23.00.
N.: 04.00–04.20, 05.00–05.15, 06.00–06.15, 11.30–11.50, 18.00–18.30, 21.00–21.30, 22.50–23.00. **Time-Sign.:** From 03.30–07.00 each 15-minutes. 08.00, 09.00, 11.30, 13.00, 13.30, 15.00, 16.00, 17.00, 18.00, 21.00, 23.00. **Nights concerts of classical music** with announcements in Czech: Tues., Wed., Fri., Sat.: 21.50–22.50.

PRAHA II:

On 272, 1286, 1520 kc/s: Hours of transmission as Praha I.
N.: as Praha I. First night news at 21.30. **Time-Sign.:** As Praha I, exc. 15.00, 21.00, 23.00. **Nights concert of classical music:** Mo., Thurs., Sun. 21.50–22.50.
Reports about water level on Czech rivers: Mo.–Fri. 08.55–09.00 in Czech, Russian & German (also Bratislava I and II).

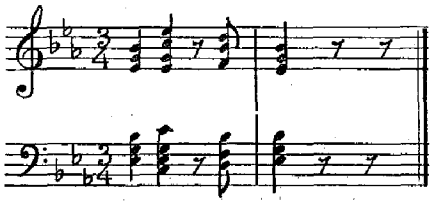
PRAHA III:

On FM 56.25 mc/s D. 13.00–23.00.

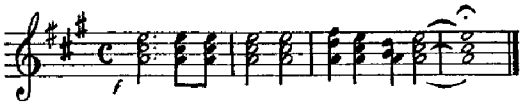
BRATISLAVA I:
On 1097, 1232 kc/s: D. 04.00(Sun. 05.00)–23.00.

BRATISLAVA II:
On 701, 1484 kc/s: D. 04.00(Sun. 05.00)–23.00.

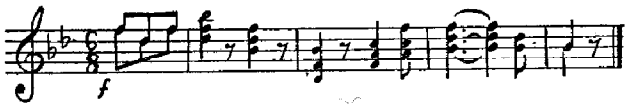
INTERVAL-SIGNAL: Praha I:



Praha II:



Bratislava:



FOREIGN SERVICE:

MEDIUM WAVES:
Bratislava I. 1097 kc/s 273,50 m – Praha II. 1286 kc/s 233,30 m

SHORT WAVES:

Call	kc/s	m	Call	kc/s	m	Call	kc/s	m
OLR2C	6155	48.74	OLR3B	9504	31.57	OLR3F	9585	31.30
OLR8E	7255	41.35	OLR3A	9550	31.41	OLR3C	9670	31.02
						OLR5B	15320	19.58

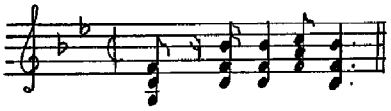
EUROPEAN SERVICE:

	kc/s		kc/s		kc/s
English:		**German:**		**Scandinavian:**	
12.15–12.45	9504	17.30–18.00	1286	18.30–19.00	7255
19.00–19.30	7255	20.00–20.30	1286	19.30–19.55	7255
22.00–22.30	1286	23.00–23.15	1286	**Spanish:**	
23.10–00.10	1097	**Greek:**		04.30–05.00	9550
French:		15.30–16.00	7255	06.00–06.30	7255
11.15–11.45	9504	17.30–18.00	7255	18.00–18.25	7255
16.30–17.00	7255	**Italian:**		21.00–21.30	7255
19.00–19.30	1286	16.00–16.30	7255	22.15–22.45	9550
		17.00–17.30	7255	23.15–23.45	1286
		18.30–19.00	1286		

N. AMERICAN SERVICE on 9550 kc/s.
00.30–01.00, 04.00–04.30, 05.00–05.30.
For Czech and Slovak population: 01.00–01.30.

ANNOUNCEMENT: English: "This is the Voice of peace from Czechoslovakia".

INTERVAL-SIGNAL:



VERIFICATION by QSL-card. Reports are wanted. ADDRESS: Czechoslovak Broadcast, Stalinova 12, Praha 12. Return postage not required.

DENMARK

DANISH STATE RADIO (Govt.)

ADDRESS: The Danish State Radio, Radiohuset, Rosenørnsalle 22 Copenhagen. Cable: Statsradio.

LEADING PERSONALITIES: Dir. Gen.: F. E. Jensen. Dir. Adm.: J. Jannik. Dir. Music: Vagn Kappel. Dir. Talks: Hans Sølvhøj. Dir Drama: Felix Nørgaard. Dir. Outside Broadcasts: A. Dahlerup. Dir. Information and Shortwave: P. Berg. Dir. Entertainment: Sv. Pedersen. Dir. Television: Jens Fr. Lawaetz. Dir. Tec.: Fr. Heegaard. Dir. News: N. Grunnet.

HOME SERVICE:

1ST PR.: W.: 05.00-09.40, 10.50-22.00. Sun.: 07.00-14.00, 14.25-22.00.

Kalundborg I	245	kc/s	1224	m	150 kW	
Herstedvester	1430	–	210	–	10	–
Copenhagen	1484	–	202	–	2	– *)
Herstedvester	6060	–	49.50	–	50	– **)
Copenh. FM I	90.8	mc/s	3.30	–	30	–

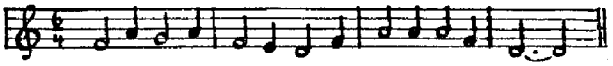
Aarsballe, Bornholm FM I 94.5 mc/s 3.17 m 30 kw
*) 17.00–22.00 only. – **) 17.40–21.15 only.

News: 05.00(W.), 06.00(W.), 07.00, 11.30, 17.45, 21.00. – Weather-reports: 07.45, 10.55, 16.40. – Religious: Sun.: 09.00, 13.00. – Language Lessons: French: Mo. Thurs. 17.20–17.40. English: Tues. 17.00–17.20 21.15–21.35. Thurs. 21.35–22.00. German: Tues. 21.35–22.00. Thurs. 21.15–21.35. Spanish: Mo. 17.00–17.20. Russian: Every second Fri. 21.35–22.00. Request Progr.: Sun. 11.00–13.00. Tues. 18.15–19.15.

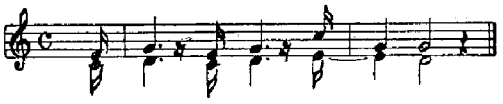
2ND PRGR.: W.: 17.00-22.00. Sun.: 08.00–11.00, 17.00–22.00

Kalundborg II	1061	kc/s	283	m	60	kW
Herstedvester	1430	–	210	–	10	–
Skive	1430	–	210	–	70	–
Aalborg	1484	–	202	–	0.25	–
Tønder	1484	–	202	–	0.25	–
Esbjerg	1594	–	188	–	2	–
Copenhagen FM II	96.5	mc/s	3.11	–	30	–

Aarsballe, Bornholm FM II 99.3 mc/s 30 kw
ANNOUNCEMENT: "Danmarks Radio Program I (Program II)"
INTERVAL-SIGNAL: Program I: From an old Danish folksong: Daily at 11.00 and 19.00: The chimes of the Town Hall in Copenhagen.



Program II:



FOREIGN SERVICE:

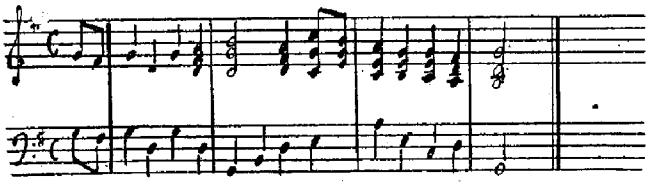
Herstedvester	OZF3	6060	kc/s	49.50	m	50 kW
Herstedvester	OZF4	7260	–	41.32	–	50 –
Herstedvester	OZF5	9520	–	31.51	–	50 –
Herstedvester	OZF7	15165	–	19.78	–	50 –
Herstedvester	OZF8	15180	–	19.76	–	50 –
Herstedvester	OZF9	15320	–	19.58	–	50 –

00.00–00.30	Tues., Thurs., Sat.	on	9520	kc/s	DS
01.30–02.30	D.	on	9520	–	NAm
02.30–03.00	Tues., Thurs., Sat.	on	9520	–	DS
03.00–04.00	D.	on	9520	–	NAm
04.00–04.30	Tues., Thurs., Sat.	on	9520	–	DS
05.00–06.00	Tues., Fri.	on	15180	–	Af, ME
09.00–10.00	Tues., Thurs., Sat.	on	15165	–	FE, Au, NZ*)
10.00–10.30	Tues., Thurs., Sat.	on	15165	–	DS
14.00–15.00	Sun.	on	9520	–	FI
14.00–15.00	Tues., Thurs., Sat.	on	15165	–	SAS
15.00–15.30	Tues., Thurs., Sat.	on	15165	–	DS
17.00–17.30	Tues., Thurs., Sat.	on	9520	–	DS
17.40–21.15	D. (Home Service)	on	6060	–	
23.00–24.00	Mo., Wed., Fri.	on	9520	–	SAm**)

*) Last 15 minutes in English. – **) Every second Wed. in the Danish programme "Mailbag".
Programmes in Danish consist of News in Danish, Danish Music, Songs, Talks and Features about life in Denmark and Reportages. – On all weekdays the broadcasts to U.S. and Canada consist of a 30 minute program in Danish and a 30 minute program in English.
A sketch of a weeks programme in Danish and English. The emphasized items being in English: Mo.: N. Literary. Music. Danish Views on the N. Classical Danish Music. – Tues.: N. Reportage. Feature. Entertainment. Dx-Bulletin. – Wed.: N. Entertainment. Actualities. Danish Folk Music. – Thurs.: N.: Feature. Quiz, Concert. – Fri.: N. Talk. Danish Views on the N., Entertainment. – Sat.: N. Light Progr. Saturday Night Club. – Sun.: Church Service. Danish Music. Reportage. – The Saturday Night Club will also contain letters from listeners and musical requests. –
On Wed. 23.00–23.30 (N. and Music) and on Fri. 23.15–23.30 a special programme (Feature and Music) in Spanish (to S. America). A special DX-bulletin is broadcast on Wed. at the end of the two North American programmes.

ANNOUNCEMENT: "Danmarks Kortbølgesender". – "You are tuned to the Voice of Denmark". – Every transmission begins with the chimes of the Town Hall, followed by the National Anthem.

INTERVAL-SIGNAL: The first movement of "Som en rejselysten Flaade" composed by Carl Nielsen.



MESSAGE TO LISTENERS: The Danish State Radio is anxious to receive reports on programmes and on reception conditions from all parts of the world. It makes every endeavour to get into touch with countrymen and listeners in countries abroad with a view to providing the best possible short wave service.

VERIFICATION: Reports answered by letter or QSL-card.

FUTURE PLANS: FMstations: 1956: Aarhus 91.7 mc/s, 95.9 mc/s 30 kw; Aalborg 93.3 mc/s, 98.1 mc/s 30 kw; Rangstrup (Sønderjylland) 95.1 mc/s, 99.9 mc/s 60 kW; 1958: Skive 90.2, 94.4, 99.2 60 kW. Næstved 94.8, 97.5, 99.6 60 kW (only 2 frequencies will be used). – 1959: Fyn: 89.0, 92.6, 98.6 60 kW (only 2 frequencies will be used).

FINLAND

OY YLEISRADIO AB. (Govt.)
ADDRESS: Unionkatu 16, H, Helsinki. **Cable:** "Yleisradio".
LEADING PERSONALITIES: Dir. Gen.: Einar Sundström. Deputy Dir. Gen.: Onni Toivonen. Dir. Finnish Progr.: Jussi Koskiluoma. Dir. Swedish Progr.: Ragnar Ölander. Dir. Tec.: Juho Rissanen. **Heads of Sections:** Music: Jouko Tolonen. Finnish Talks: Reino Tuokko. Finnish Outside Broadcasts: Leo Meller. Finnish Theatre: Olavi Paavolainen. Finnish Broadcasts Schools: Helmi Palmén. Swedish Lectures and Outside Broadcasts: Christoffer Schildt. Swedish Theatre: Karin Mandelstam. Swedish Broadcasts Schools: Nils-Göran Engström. Information: Veli Virkkunen. Station Building: K.S.Sainio. Studios: Paavo Arni. Advice: Paavo Velander.

HOME SERVICE

FINNISH NETWORK:
W. 04.30–06.10, 08.50–12.10, 15.00–21.00. Sun. 05.45–21.00.
Long- & Medium Waves:

	kc/s	m	kW		kc/s	m	kW
Lahti	254	1181	200	Helsinki III	845	355	0,2
Oulu	433	693	10	Helsinki II	1484	202	1
Joensuu	520	577	1	Tampere	1484	202	1
Kuopio	755	397	20	Turku II	1484	202	0,2
Ylivieska	836	359	10	Rovaniemi	FM 96.7 mc/s 10 kW		

FM	mc/s	kW	FM	mc/s	kW
Koli	88.0	10			
Forssa	89.2	0.3	Mikkeli	94.6	0.7
Imatra	91.0	15	Vaasa I	95.2	25
Kuopio	91.6	25	Lahti	95.5	40
Helsinki I	91.9	40	Savonlinna	95.8	10
Jyväskylä	92.2	10	Kokkola	97.6	10
Tampere	93.7	10	Pori	97.9	10
Turku I	94.3	10			

The FM-stations broadcast the Finnish main progr. and in addition music progr. on weekdays at 14.00–15.00.
News: 04.30, 06.00, 10.30, 17.00, 20.00. – **Religious:** Sun. 08.00–09.25. W. 05.45–06.00. – **Language Lessons:** English: Mo. Fri. 16.00–16.25. Swedish: Tues. 15.40–16.00. Russian: Tues. 15.40–16.00. – **Mailbag:** Mo. 11.45, 15.35. – **Prgr. Preview:** W. 08.50. Sun. 09.25, 12.20. – **Weatherrep.:** 06.10, 10.30, 10.55, 17.00, 20.00. Time-Signal: 04.30, 06.00, 10.30, 15.00, 17.00, 20.00

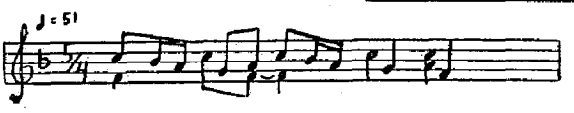
BILINGUAL NETWORK (Finnish & Swedish):
W.: 04.30–06.10, 08.50–12.10, 15.00–21.00. Sun. 05.45–21.00.
Medium Waves:

	kc/s	m	kW	FM:	mc/s	kW
Helsinki I	557	539	100	Tammissaari	89.5	10
Turku I (Åbo)	962	312	100	Kristinestad	90.1	10
Vaasa (Vasa)	1241	242	10	Helsinki II	94.6	0.7
Pietarsaari	1484	202	1	Vaasa II	97.3	25
Tammissari	1484	202	0.2	Turku II	98.2	25
Shortwave:				Pietarsaari	99.7	10
Pori OIX7	6120	49.02	15			

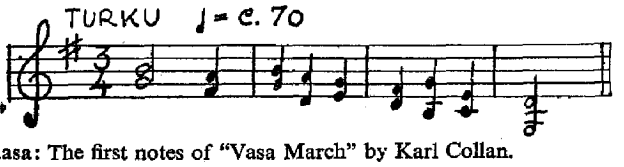
Swedish Prgr.: W. 04.40–04.50, 05.30–05.45, 06.10–06.20, 09.40–09.50, 17.15–17.30, 20.10–20.20. Sun. 06.40–06.50, 09.40–09.50, 11.00–12.45, 17.15–18.30, 20.10–20.20. Additional Swedish Prgr.: 11.10–12.10 (Tues. Thurs.), 14.45–15.00 (Mo. Fri.), 16.00–17.00 (Mo. Wed. Fri.), 17.30–18.30 (Tues. Thurs. Sat.), 20.20–21.00 (Mo. Fri.), 20.30–20.40 News: 04.40, 06.10, 10.10, 17.15, 20.10. **Religious:** Sun. 11.00–12.00. W. 05.30–05.45. **Language Lesson:** Finnish Sun. 12.20. **Mailbag:** Mo. 16.45. **Prgr. Preview:** W. 08.55, 10.55. **Weatherrep.:** 06.20, 10.40, 17.15, 20.10. **Time Signal:** 04.40, 06.10, 10.40, 17.15, 20.10.

ANNOUNCEMENTS: **Finnish:** "Suomen Yleisradio" followed by program announcement, (all stations). **Finnish** and **Swedish:** "Suomen Yleisradio, Finlands Rundradio", (Helsinki, Turku, Vaasa and Pietarsaari).

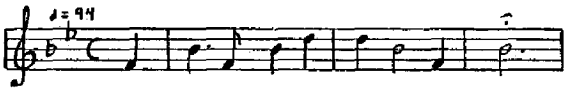
INTERVAL-SIGNALS: Every weekday at 08.45: Normal-a.
Lahti and **Helsinki:** The interval-signal is based on an old Finnish melody, the "Kantele melody".



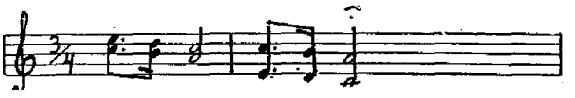
Turku: A fragment of "Ergo plebs finnonica", the hymn of St. Henrik.



Vaasa: The first notes of "Vasa March" by Karl Collan.



Kuopio: The first notes of a well-known song about the beauty of the lake Kallavesi.



VERIFICATION by QSL-card.

FOREIGN SERVICE: **In English, French, Finnish & Swedish.**
OIX2 9555 kc/s 31.40 m 15 kW OIX4 15190 kc/s 19.75 m 100 kW
OIX5 17800 kc/s 16.85 m 10 kW

To Europe and South America on 15190/17800 kc/s: 10.50–11.50 (from 21/3 to 22/9 22.00–23.00).

To North America on 9555/15190/17800 kc/s: 12.00–14.00 (from 21/3 to 22/9 03.00–05.00). During the winter period OIX2 is closing at 13.00. **English** (news): 10.50–11.05 (22.00–22.15), 12.00–12.15 (03.00–03.15). **French** (news): 11.05–11.20 (22.15–22.30), 12.15–12.30 (03.15–03.30). **Finnish & Swedish:** 11.20–11.50 (22.30–23.00). Sun. 10.50–11.50 (22.00–23.00) for Seafarers. **Progr. in Finnish:** 12.30–13.30 (03.30–04.30). On Mo. also 13.30–14.00 (04.30–05.00). **Progr. in Swedish** (exc. Mo.): 13.30–14.00 (04.30–05.00).

ANNOUNCEMENT: **English:** "Finland Calling". **Finnish:** "Suomen Yleisradio". **Swedish:** "Finlands Rundradio".

INTERVAL-SIGNAL: Lahti (Home Service).

VERIFICATION by QSL-card. Listeners reports are wanted.

FRANCE

RADIODIFFUSION-TÉLÉVISION FRANÇAISE (Govt.)
ADDRESSES: The Central Service – Radiodiffusion Télévision Française 107, rue de Grenelle, Paris 7ème. – Cable: Radiodi à Paris. The Regional Services: 2, Cours de Tournon, Bordeaux. – 36, Bld. de la Liberté, Lille. – 6, Bld. V. Hugo, Limoges. – 20, Quai Gailleton, Lyon. – 2, Allée Richard, Marseille. – 6, Rue Hippolyte Maringer, Nancy. – 9, Avenue Janvier, Rennes. – 2, Av. de la Marseillaise, Strasbourg. – 78 bis, Allées Jean-Jaurès, Toulouse.

LEADING PERSONALITIES: The Central Services: Président du Conseil Supérieur: M. Rivet Paul. Directeur Général: M. Porche. Chef de l'Inspection Générale: M. Daumard. Chef du Service des Affaires Générales: M. Bonami. Directeur des Services Généraux: M. Tardas. Directeur des Services Techniques: M. Leschi. Chef du Service de l'Exploitation: M. Barroux. Directeur des Servicés Artistiques: M. Gilson. Directeur des Programmes de Télévision: M. d'Arcy. Administrateur des Services Artistiques: M. Lenoble. Directeur des Informations et du Journal Parlé: M. Gayman. Chef du Service des Emissions vers l'Etranger: M. Thibault. Chef du Service des Echanges Internationaux: M. Robida. Directeur du Programme National: M. Barraud. Directeur du Programme Parisien: M. Brechignac. Directeur de Paris-Inter: Mme Melia. Chef du Club d'Essai et du Centre d'Etudes Radiophoniques: M. Tardieu.

The Regional Services (Regional Directors): Bordeaux: M. Dieuaide. **Lille:** M. Lafond (par intérim). **Limoges:** M. Sudrie. **Lyon:** M. Wadin. **Marseille:** M. Besse. **Nancy:** M. Villatte. **Rennes:** M. Favennec. **Strasbourg:** M. Caussidery. **Toulouse:** M. Beral.

HOME SERVICE:

NATIONAL NETWORK:

	kc/s	m	kW		kc/s	m	kW
Paris I	863	348	150	Marseille I	710	422	150
Bordeaux	1205	249	100	Strasbourg II	1277	235	100

Synchronized Network I: 1241 kc/s 242 m 20 kW

Lille II, Nancy II, Pau, Rennes II, Lyon II, Nice III, Quimper I.
Synchronized Network II: 1349 kc/s 222 m 20 kW (Nantes 10 kW). Clermont, Grenoble I, Nantes, Dijon, Limoges II, Toulouse II.
Synchronized on common international wavelength: 0.18/1 kW. 1484 kc/s 202 m Annemasse, Caen, Poitiers, St. Brieux, Besancon.

DAILY PROGRAMMES: W. 05.43–22.59. Sun. 06.28–22.59.
N.: W. 06.00, 08.00, 12.00, 13.00, 18.30, 22.46. Sun. 07.00, 08.05, 12.00, 22.46.
"Ici New York" (Relay from New York): W. 17.30–18.00. – "Paris Vous Parle": 18.45–19.00.
Time-Sig.: W. 05.43, 06.00, 08.00, 08.15, 11.00, 11.59, 13.00, 18.30, 22.45, 22.59. Sun. 06.28, 07.00, 11.59, 18.40, 22.45, 22.59.
Weatherrep.: 05.44, 06.23, 06.54, 08.13, 11.57, 18.00, 22.45: Sun. 06.29, 06.59, 08.13, 11.57, 18.39, 22.45.
Bourse: W.: 13.22. – **Program Preview:** W.: 06.25. – "Grand" Messe: Sun. 09.00–10.00 (relayed on 7240 kc/s).

PARISIENNE NETWORK:

	kc/s	m	kW		kc/s	m	kW
Paris II	1070	280	100	Toulouse I	944	318	100
Marseille II	syncr. st.		20	Lyon I	602	498	100
Lille I	1376	218	150	Nancy I	836	359	100
Rennes I	674	445	100	Strasbourg I	1160	259	150
Limoges I	791	379	100	Bayonne	1493	201	1

Synchronized Network III: 1403 kc/s 214 m 20 kW. Bordeaux II, Louvetot, Montpellier (10 kW), Nice II, Quimper II.

DAILY PROGRAMMES: Mo. Thurs., Fri., Sat. 05.29–22.00 (Tues. Wed. 21.55). Sun. 05.59–22.30.
Parisienne Programme can be heard daily on 9755 and 9675 kc/s from 19.00–19.20(Sat. 19.30).
N.: W.: 05.30, 07.00, 19.00, 21.00. Sun.: 06.00, 19.00, 21.30.
Time Sig.: W.: 05.29, 07.00, 08.00, 10.59, 22.00, 21.55 or 21.45. Sun.: 05.59, 18.59, 22.30.
Weatherrep.: W.: 11.04. – **"Actualités de Paris":** D.: 11.30. – **"Le Disque des Auditeurs":** Sun.: 06.15–06.30, 07.45–08.15. – **"Gazette de Paris":** W.: 06.30. – **"Ici New York":** Sun. 17.30.

PARIS INTER NETWORK:

Allouis 164 kc/s 1829 m 250 kW – Nice I 1554 kc/s 193 m 60 kW.
Low Power Stations:

Paris Grenelle	584	514	1	Perpignan	1484	202	1
Toulouse III	1493	201	0.25	Grenoble II	1484	202	0.05
Marseille III	1493	201	1	Montpell. II	1484	202	0.25
Nantes II	1493	201	0.05	Brest	1484	202	1
Strasbourg III	1493	201	0.05	Nimes	1594	188	2
				Toulon	1594	188	0.05

DAILY PROGRAMMES: 05.30 (Sun. 06.30)–01.00.
Paris Inter Programme can be heard on 6200 kc/s: Sun. from 06.30 to 23.15 and W. 06.00 to 23.15.
Progr. in Arabic: W.: 05.31–06.00. – N.: W. 07.15, 08.15, 09.15, 10.15, 11.15, 12.15, 13.15, 14.15, 15.15, 16.15, 19.50, 22.00, 23.00, 00.57. Sun. 07.15, 08.15, 09.15, 16.00, 22.25, 23.00, 00.57.
"Paris Vous Parle": D. 18.15–18.45.

Special Broadcasts: Romainville 962 kcs 312.0 m 5 kW. "Culture Française Club d'Essai": Sat. 12.30–16.00. Sun. 08.00–12.00.
FM: Strasbourg 95.0 mc/s 2 kW W. 17.30–22.00 (Sat. 23.00). Paris 96.1 mc/s 20 kW. Sun: 16.45–22.00.

ANNOUNCEMENTS:
The National, the Parisienne and Paris Inter Networks: At opening and close down: "La Marseillaise". – **General announcement:** "Ici Paris Radiodiffusion-Television Française" Programme National (or "Parisien" or "Paris Inter"). – **Bordeaux:** "Ici Bordeaux Radiodiffusion-Television Française". – **Lille:** The first movements of the melody "Petit Ouinquin" followed by "Ici Radio-Lille – Radiodiffusion-Television Française". – **Limoges:** "Ici Limoges – Radiodiffusion-Television Française". – **Lyon:** Harmonizing by R. Corniot of the melody "Les Boeufs" by P. Dupont followed by "Ici Lyon – Radio diffusion-Television Française". – **Marseille:** The first movements of the Provencal Suite by Bessière followed by "Ici Marseille Provence – Radiodiffusion-Television Française". – **Nancy:** The first movements of "La Marche Lorraine" followed by "Ici Radio Lorraine". – **Rennes:** The first movements of "Troyens" by d'Hector Berlioz followed by "Ici Radio Bretagne". – **Strasbourg:** The first movements of "Que notre Alsace est belle" followed by "Ici Strasbourg – Radiodiffusion-Television Française". – **Toulouse:** The first movements of "Montagnards" followed by "Ici Toulouse, Radiodiffusion-Télévision Française".

FOREIGN SERVICE:

Short Wave Centre Allouis and Issoudun: 13 transmitters, each 100 kW, and 1 transmitter 10 kW.

kc/s	m	kc/s	m	kc/s	m	kc/s	m
5955	50.37	7220	41.55	9675	31.01	15100	19.87
5965	50.28	7240	41.44	9680	30.99	15240	19.68
6045	49.63	7280	41.21	9750	30.77	15295	19.61
6145	48.82	9520	31.51	9755	30.76	15350	19.54
6200	48.39	9540	31.45	9765	30.72	15400	19.48
7105	42.22	9550	31.41	11700	25.64	17850	16.81
7120	42.13	9560	31.38	11845	25.32	21640	13.86
7160	41.89	9640	31.12	11920	25.17	21740	13.79

EUROPEAN SERVICE:
German: W.: 18.00–19.00 on 1277, 6045 kc/s – Sun. 18.40–19.30 on 1277 kc/s.
Bulgarian: D.: 19.00–19.45 on 9560, 11920 kc/s.
Czech and Slovak: D.: 19.00–20.00 on 5955, 7105 kc/s (Also Tangier 9685 kc/s).
Danube Balkan in French: Sun. 17.30–17.45 (**"Religious Progr."**) on 5955, 7220 kc/s.
D.: 20.00–21.00 on 5955, 7105 and 9685 kc/s (Tangier).
English to Great Britain: W.: 07.45–08.00 (French by Radio) on 7240 kc/s. Sat. Sun. 14.00–15.00 on 7240 kc/s. – W.: 19.45–20.00 (French by Radio) over R. Brazzaville. W. 22.00–23.00 on 1376 kc/s.
Greek: D.: 11.30–11.45 (relayed by R. Athens) on 15295 kc/s.
Hungarian: D.: 18.15–19.00 on 5955, 7240, 9550. – 21.00–21.45 on 9685 kc/s (Tangier. Retransmission of 18.15 progr.).
Polish: D.: 19.00–20.00 on 6045, 7160, 9625 (Brazzaville), 9550, 15400 kc/s.
W.: 17.00–17.15 **(French by Radio)** on 5955, 7220 kc/s.
17.30–18.00 on 1376 kc/s. – Sun. 10.00–11.00 **(Religious Service from the Polish Church in Paris)** on 7240, 9560 kc/s.
Portuguese: W.: 08.00–08.15 on 7240 kc/s **(French by Radio).**
D.: 19.00–19.30 on 7240, 9765 kc/s.
W.: 19.30–19.45 on 9765 kc/s **(French by Radio).**
Rumanian: D.: 18.15–19.00 on 9560, 11920 kc/s.
Spanish: D.: 21.00–21.45 on 5955, 7240 kc/s.
W.: 22.00–22.45 on 944 kc/s.
Serbo-Croatian and Slovene (to Yugoslavia) D.: 18.00–19.00 on 7160, 9625 (Brazzaville), 9675, 15400 kc/s.

OVERSEAS SERVICE: **French:**
To Madagascar, Comoro Islands, French Somali Coast, Reunion. Kerguelen: 01.30–01.45 on 7160 kc/s. 16.00–16.30 on 15350, 17850 kc/s.
To Tahiti, Marquésas Islands: 05.30–06.00 on 9550 kc/s.
To French West Africa and French Equatorial Africa: 06.45–07.15 on 11920, 15240 kc/s. 11.45–12.00 on 17850, 21740 kc/s. 20.00–20.30 on 9560, 11845, 15400 kc/s.
To New Caledonia, New Hebrides: 07.30–08.00 on 15240, 17850 kc/s.
To Antilles, Guiana. St. Pierre and Miquelon: 10.30–11.00 on 15240, 17850 kc/s. 23.30–01.00 on 9755, 11700 kc/s (rel. by Ft. de France).
To Indo-China: 12.15–14.15 on 15400, 17850 kc/s. 23.00–23.30 on 9675 kc/s.
To Canada: 15.30–15.45 (Fri. 16.00) on 15240, 17850 kc/s (Mo.–Fri.).
To Middle East: D. 16.30–17.15 on 9675, 11845, 15350, 17850 kc/s.
ANNOUNCEMENT: "Allo... (name of area), Paris vous parle".
VERIFICATION by QSL-card.

GERMANY
GERMAN FEDERAL GOVERNMENT

DEUTSCHE WELLE

Kurzwellendienst der Arbeitsgemeinschaft der öffentlich-rechtlichen Rundfunkanstalten der Bundesrepublik Deutschland.
ADDRESS: Deutsche Welle, WDR.-Funkhaus, Köln, Wallrafplatz 5.
LEADING PERSONALITIES: Intendant Hanns Hartmann. Chefredakteur: Dr. Hans Otto Wesemann. Dx-Editor: Betr.-Ing. Horst A. C. Krieger.
STATIONS: Norden-Osterloog DMR – 20 kW.

kc/s	m	kc/s	m	kc/s	m	kc/s	m
5980	50.17	7290	41.15	11945	25.12	17845	16.81
6115	49.06	9640	31.12	15275	19.64	21490	13.96
7170	41.84	9735	30.82	15405	19.47	21650	13.86
7205	41.64	11795	25.43	17815	16.84	25650	11.70
						25900	11.58

For the period: Nov./Febr. the following frequencies are used:
Far East: 9735, 11795, 15275 kc/s; – **Near East:** 9640, 11945, 17845 kc/s. **Africa:** 7170, 9640, 7170 kc/s; – **S. America:** 7290, 9640, 11795 kc/s. **N. America:** 5980, 7205, 9640 kc/s;

OVERSEAS SERVICE:
10.00–13.00 to **Far East** in German, English & French.
14.30–17.30 to **Near East** in German, English & French.
18.00–21.00 to **Africa** in German, English & French.
22.00–01.00 to **South America** in German, Portuguese & Spanish.
01.30–04.30 to **North America** in German, English & French.
Three frequencies are used simultaneously during each transmission.

Advertisement

THE ACTIVITIES OF LA COMPAGNIE FRANÇAISE THOMSON-HOUSTON IN BROADCASTING MATERIAL

The broadcasting materials manufactured by LA COMPAGNIE FRANÇAISE THOMSON-HOUSTON cover longwave, medium wave and shortwave transmitters, the powers of which range from 50 watts to more than 400 kw. The reconstruction of the French broadcasting network after the war has been carried out almost entirely with C.F.T.H.-transmitters and especially the "Centre d'Allouis Shortwave Transmitters". Certain foreign countries have also been equipped with the same transmitters.

The Strasbourg-Selestat Central Broadcasting Transmitter, which was inaugurated in 1953, is for instance still and generally considered THE MOST MODERN STATION IN THE WORLD, thanks to the revolutionary "Vapodyne" system, prepared in 1950 by the Electronic Group of LA COMPAGNIE FRANÇAISE THOMSON-HOUSTON.

This technique permits, in fact, to install 4 x 100 kW. transmitters (TH 755) together with all necessary units in a building of exceptionally reduced dimensions These 4 transmitters can be used two at a time thus ensuring the simultaneous broadcasting of two different programmes with a power of 200 kilowatts.

The exceptional characteristics of this broadcasting station have been made possibly by the employment of "VAPOTRONS", a new kind of transmission tubes with a filament of thoriated tungsten. **Thus the yield of the installation is considerably increased** (60%).

An original model, shown successively at the Milan Fair and at the French Exhibition at Montreal during 1954, and last, at the 1st international Exhibition of the Peaceful uses of Atomic Energy, at GENEVA, Aug. 5.–11. 1955, demonstrated how the enormous quantities of heat dissipated by these powerful tubes are evacuated into a boiler connected to a condenser. A considerable simplification is obtained by connection with the ordinary cooling systems (water or compressed air); on the other hand the evacuated heat can be recuperated for auxiliary purposes (heating of the building).

This ensemble, realised with standard accessories (boiler, level control reservoir, safety box, condenser) was the exact reproduction of a cooling installation for a "Vapotron" of 50 kw. It must be noted that the "Vapotron" can also be employed for other applications (highfrequency heating for instance) and especially for radiocommunication-transmitters.

At present LA COMPAGNIE FRANÇAISE THOMSON–HOUSTON are constantly increasing their activities and realisations, among which there is reason to mention the following principal Broadcasting transmitters, the installation of which has been trusted to their organisation. These are to be found as well in the French Capital, and in the territories of the French Union (NORTH AFRICA – A.O.F. – INDOCHINE) as abroad:

ALGER (Algèrie)
ALLOUIS (10 chaines)
ANDORRADIO (Andorre)
BARCELONA (Spain)
BEOGRAD (Yogoslavia)
BORDEAUX (Néac I)
BREST (Quimerch I et II)
CLERMONT (Ennezat)
CONSTANTINE (Algerie)
DAKAR (A.O.F.)
DIJON (ville)
ENNEZAT (Puy-de-Dôme)
FELSBERG (Sarre) OC el. OL
GRENOBLE (ville I)
LEOPOLDVILLE (Congo belge)
LILLE (Camphin)
LIMOGES (Nieul II)
LOUVETOT
LYON (Tramoyes I et II)
LJUBLJANA (Yugoslavia)
MARSEILLE (Realtort I et II)
MONTBELIARD (ville)
MONTPELLIER (la Blanquette I)
MONTE CARLO (Monaco)
NANCY (Nomény I et II)
NANTES (Montbert I et II)
NICE (La Brague III)
ORAN (Les Trembles I-II-III et IV
PARIS (Romainville)
PARIS (Villebon)
PRISTINA (Yugoslavia)
RABAT (Maroc)
SAIGON (Indochina)
SARAJEVO (Yugoslavia)
SEBAA-AYOUN (Morocco)
SKOPLJE (Yugoslavia)
SAARBRÜCKEN (Saar)
STRASBOURG (Sélestat I-II-III)
TANANARIVE (Madagascar)
TUNIS (Djedeida)
TITOGRAD (Yugoslavia)
TRIESTE (Capo d'Istria)
ZAGREB (Yugoslavia)
Several regional stations

ACTIVIDADES DE LA COMPAGNIE FRANÇAISE THOMSON-HOUSTON EN LA INDUSTRIA DE LOS MATERIALES DE RADIODIFUSION

Los materiales de radiodifusión manufacturados por LA COMPAGNIE FRANCAISE THOMSON-HOUSTON comprenden transmisores de onda larga, onda media y onda corta, cuyas potencias van desde 50 vatios hasta más de 400 kW. La reconstrucción de la red difusora de Francia fué realizada después de la guerra casi exclusivamente con las emisoras de C.F.T.H. y, sobre todo, con las emisoras de onda corta de »Centre d'Allouis«. Varios países extranjeros también han sido provistos de los mismos transmisores.

La estación central de radiodifusión de Estrasburgo-Selestat, por ejemplo, que fué inaugurada en 1.953 sigue siendo considerada comunmente LA ESTACION MAS MODERNA DEL MUNDO, gracias al sistema revolucionario de »Vapodyne« que fué elaborado en 1950 por el Departamento de Electrónica de LA COMPAGNIE FRANCAISE THOMSON-HOUSTON.

En realidad, esta técnica permite la instalación de cuatro transmisores de a 100 kW (TH.755) junto con todas las unidades necesarias en un edificio de dimensiones reducidas en extremo. Estos 4 transmisores pueden usarse por dos a la vez asegurando así la difusión simultánea de dos programas distintos con una potencia de 200 kilovatios cada uno.

Las características excepcionales de esta estación radiodifusora se han obtenido gracias a la aplicación de los »VAPOTRONS«, una nueva clase de válvulas de transmisión con filamento a tungsteno toriado. **Por ello, el rendimiento de la instalación se aumenta considerablemente** (en el 60%).

Un modelo original mostrado sucesivamente en el curso de 1954, en la Feria de Milán, en la Exhibición Francesa en Montreal y recientemente, en la Primera Exposición Internacional de la Aplicación de la Energía Atómica en los Afanes Pacíficos, en Ginebra, de 5. a 11. de 1955 del ano en curso - ha mostrado como las enormes cantidades de calor disipadas por estas válvulas potenciales se evacúan a un hervidor conectado al condensador. Se obtiene una simplificación considerable por la conexión a los sistemas de refrigeración ordinarios (agua o aire comprimido); por otra parte, el calor evacuado puede recuperarse para objetos complementarios (la calefacción del edificio).

Este conjunto creado de accesorios normales (hervidor, recipiente de control de nivel, caja de seguridad, condensador) era la reproducción exacta de una instalación de refrigeración para un »Vapotrón« de 50 kW. Debe observarse que el »Vapotrón« puede servir también en otras aplicaciones (calefacción de alta frecuencia, por ejemplo) y sobre todo, para los transmisores de radiocomunicación.

Actualmente, LA COMPAGNIE FRANCAISE THOMSON-HOUSTON sigue aumentando sus actividades y realizaciones, entre las cuales vale mencionar las siguientes emisoras principales de radiodifusión, cuya instalación ha sido confiada a su empresa. Estas se encuentran tanto en el Metrópoli francés como por todas partes de la Unión Francesa (Africa del Norte – A.O.F. – Indochina) y el extranjero:

ALGER (Algeria)
ALLOUIS (10 cadenas)
ANDORRADIO (Andorre)
BARCELONA (España)
BELGRADO (Yugoeslavia)
BURDEOS (Néac I)
BREST (Quimerch I y II)
CLERMONT (Ennezat)
CONSTANTINA (Algeria)
DAKAR (A.O.F.)
DIJON (Ville)
ENNEZAT (Puy-de-Dome)
FELSBERG (Sarre OC y OL)
GRENOBLE (Ville I)
LEOPOLDVILLE (Congo Belga)
LILLE (Camphin)
LIMOGES (Nieul I)
LOUVETOT
LYON (Tramoyes I y II)
LJUBLJANA (Yugoeslavia)
MARSELLA (Realtort I y II)
MONTBELIARD (Ville)
MONTPELLIER (la Blanquette I)
MONTE CARLO (Monaco)
NANCY (Nomény I y II)
NANTES (Montbert I y II)
NIZA (La Braque III)
ORAN (Les Trembles I-II-III y IV
PARIS (Romainville)
PARIS (Villebon)
PRISTINA (Yugoeslavia)
RABAT (Marruecos)
SAIGON (Indochina)
SARAJEVO (Yugoeslavia)
SEBAA-AYOUN (Marruecos)
SKOPLJE (Yogueslavia)
SARREBRUCK (Sarre)
ESTRASBURGO (Sleestat I-II-III)
TANANARIVE (Madagascar)
TUNISIA (Djedeida)
TITOGRADO (Yugoeslavia)
TRIESTE ((Capo d'Istria)
ZAGREB (Yugoeslavia)
Más varias otras estaciones

THE ACTIVITIES OF LA COMPAGNIE FRANÇAISE THOMSON-HOUSTON IN TELEVISION MATERIAL

Television being a fore-runner in the technique of wave transmission and reception, it is natural to meet in the first rank LA COMPAGNIE FRANCAISE THOMSON-HOUSTON, which by the way also in numerous other fields of the electronic industries contributes largely to the reputation of the company for the construction of electrical equipment, of which it is doyen.

Already in 1937, when LA COMPAGNIE FRANCAISE THOMSON-HOUSTON delivered to the French Broadcasting Company their first equipment 455 lines, and when they exposed at the International Exposition in Paris, they had started experiments which permitted the construction of prototypes, which were later on largely utilized as well industrially as educationally.

The company occupies now an eminent place in this field. The activity of the ELECTRONIC GROUP is in fact lined with numerous results from 1939, in which year they constructed the first equipment for connection airplane-ground, till 1948, when an equipment 729 lines was presented on the occasion of the International Congress of Television. At the same time an experimental connection H.F. was erected between the Head Office and the building of the "Compagnie des Lampes", rue de Lisbonne in Paris. Finally can be mentioned from June and November 1952 the finishing of first the hertzian relay Paris-Lille (first relay in France and on the continent) and thereafter of a portable equipment with picture camera for the French Television (819 lines).

After delivery of another camera equipment (819 lines) to the "Service de Recherches et Controles Techniques" (S.R.C.T.), the Central Transmitter of Strasbourg was started in 1953. It was working for the first time on Christmas Eve and was officially inaugurated in January 1954 in this Alsassian capital, which is of so great importance in tne European Organisation. The characteristics of the material supplied by LA COMPAGNIE FRANCAISE THOMSON-HOUSTON (taking-groups with several fully telecommanded cameras, final regie, synchronizing-group etc.) make this second central transmitter the prototype for all French stations.

The year 1954 has confirmed the value of their technique. Successively this company has been entrusted with an important part of the construction of the Central Transmitters in Strasbourg, Marseille and Casablanca, and later on in Lorraine, in Normandy and in North Africa with high powered transmitters. It is also the Reporting Cars of La Compagnie Francaise Thomson-Houston, which enable tne French Television to take the principal part of the reportings. Several other almost identical cars will in the course of this year complete the equipment of the R.T.F. In 1955 La Compagnie Francaise Thomson-Houston will also have constructed all the cameras used in the new studios of the Radiodiffusion Francaise, specially in their building in the rue Cognacq-Jay.

In the so-called industrial television, La Compagnie Francaise Thomson-Houston has in its experiments, developments and productions constructed an equipment of the highest quality, which has brought them the protection of the observers and a double economy of time and personnel. It is the only process permitting the sending immediately of a true picture from every possible sorrounding and to numerous observers. The possibilities are unlimited: education, science, industry, commerce etc.

For the sake of information we may mention the satisfaction which was felt by the ELECTRONIC GROUP, when it was called upon in May 1953 and then again in the spring of 1955 to supply the technical equipment, which permitted the courageous entreprise of SUBMARINE TELEVISION of Corvette Capitain J.-Y. Cousteau on board the "Calypso". Furthermore we can inform that a big warehouse on the Right River Bank thanks to La Compagnie Francaise Thomson-Houston has able been to become the first in Europe to use the television as working instrument in the service of the customers (TELE-INFORMATION).

It is also La Compagnie Francaise Thomson-Houston, which has given technical help to the first "direct" televised presentation on the LARGEST SCREEN in Europe (6,50 m × 5,10 m) on the 3rd and 4th July 1954 (Salle Pleyel) of the final of the World Championship in Football, with more than five thousand people present.

Finally it was La Compagnie Francaise Thomson-Houston, which was approached by L'ADMINISTRATION DES PHARES ET BALISES when it was a matter of solving the new problems created by television in conjunction with radar. TELE-RADAR looks as though it may well become a kind of automatic direction – finder for ships, and be able to improve the precision and safety with which vessels are manoeuvred when entering or leaving harbours under conditions of bad visibility.

ACTIVIDADES DE LA COMPAGNIE FRANÇAISE THOMSON-HOUSTON EN LA INDUSTRIA DE LOS MATERIALES DE TELEVISION

Como la televisión anda a la cabeza del desarrollo técnico de la emisión y recepción de las ondas, natural es que encontremos aquí en el primer término a LA COMPAGNIE FRANCAISE THOMSON-HOUSTON, que hace, por lo demás, su aportación en gran escala en otros numerosos campos de las industrias electrónicas, a la reputación que gozan las compañías por su construcción de equipo eléctrico, en donde ocupa la primacia.

Ya en 1937, al entregar LA COMPAGNIE FRANCAISE THOMSON-HOUSTON su primer equipo de 455 líneas a la Compañía Francesa de Radiodifusión, y al presentar sus artículos en la Exposición Internacional de París, había iniciado los experimentos que la permitiera la construcción de prototipos que más tarde se utilizaran tanto en la industria como en la enseñanza.

Hoy en día la compañía ocupa un lugar preferente en este campo. En realidad, las actividades del Departamento de Electrónica han redundado en numerosos resultados desde 1939, año en que construyó su primer equipo para establecer contacto entre avión y tierra, hasta 1948, cuando se presentó un equipo de 729 líneas con motivo del Congreso Internacional de Televisión. Al mismo tiempo se estableció una conexión experimental entre su Sede Central y los edificios de la «Compañía de Lámparas » en rue de Lisbonne en París. Por fin puede mencionarse, entre junio y noviembre de 1952, la terminación del primer relé hertziano entre las ciudades de París y Lila (el primer relé en Francia y en el Continente), y además la construcción de un equipo portátil con cámara de imágenes para la Televisión Francesa (de 819 líneas).

Después de suministrar otro equipo de cámara (de 819 líneas) al «Service de Recherches et Controles Techniques (S.R.C.T.) », viene en 1953 la inauguaración de la emisora central de Estrasburgo. Operaba por vez primera en la Nochebuena de 1953 y se inauguró oficialmento en enero de 1954 en la capital de Alsacia, que tanta importancia tiene en la organización europea. Las características del material suministrado por LA COMPAGNIE FRANCAISE THOMSON-HOUSTON (grupos de toma de escenas con varias cámaras de telemando perfecto, dirección final, grupo de sincronización, etc.) han hecho de esta segunda emisora central el prototipo de todas las estaciones francesas.

El año 1954 ha confirmado el alto valor de su técnica. Sucesivamente viene a confiarse a esta compañía una parte muy importante de la construcción de las Emisoras Centrales de Estrasburgo, Marsella y Casablanca y más tarde en Lorrena, Normandia y el Africa del Norte, con suministros de transmisoras de altas potencias. Son también los coches de reportaje de LA COMPAGNIE FRANCAISE THOMSON-HOUSTON que permiten a la televisión francesa hacer la mayor parte de sus reportajes. En el curso de este año, varios otros coches idénticos van a completar el equipo de la R.T.F. En 1955 LA COMPAGNIE FRANCAISE THOMSON-HOUSTON habrá construido también todas las cámaras usadas en los nuevos estudios de la RADIODIFUSION FRANCESA, sobre todo en su edificio de rue de Cognacq-Jay.

En materia de la llamada televisión profesional, LA COMPAGNIE FRANCAISE THOMSON-HOUSTON ha perfeccionado, gracias a sus investigaciones, desarrollos y diseños, un equipo de más alta calidad que se distingue por la protección del personal y la doble economía de tiempo y mano de obra. Es el único procedimiento que permite transmitir inmediatamente una imagen fiel desde cualquier sitio, a grandes distancias, y a numerosos observadores. Tiene un sinfín de posibilidades: Enseñanza, ciencia, industria, comercio.

En cuanto a la información rápida nos es grato manifestar la satisfacción que experimentó el Departamento de Electrónica cuando fué llamado, en mayo de 1953, y otra vez en la primavera de 1955. para sumisistrar el equipo técnico que ha permitido la audaz operación de TELEVISION SUBMARINA del Capitán de Corbeta J.-Y. Cousteau, a bordo del « Calypso ».

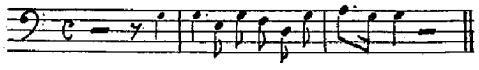
Además, es la COMPAGNIE FRANCAISE THOMSON-HOUSTON que ha proporcionado la asistencia técnica para la primera presentación de televisión »directa » en LA MAYOR PANTALLA de Europe (6,50 × m 5,10 m) a 3 y 4 de julio de 1954 (en Salle Pleyel), cuando se combatió el Campeonato del Mundo en fútbol, a un público de más de cinco mil personas.

Por último, LA COMPAGNIE FRANCAISE THOMSON-HOUSTON ha sido llamada por la administración de faros y balizas de Francia para resolver algunos problemas nuevos que ha planteado la televisión combinada con el Radar: TELE-RADAR que parece ser una clase de conducctón automática de los buques, susceptible de introducir una perfección en el servicio de seguridad y la eficacia de las maniobras de buques que entran y salen de puertos en tiempos de mala visibilidad.

N. in German: 10.00, 14.30, 18.00, 22.00, 01.30.
N. in English and French: 11.00, 15.30, 19.00, 02.30.
N. in Spanish and Portuguese: 23.00.
N. and Commentary: 12.45, 17.15, 20.45, 00.45, 04.15.
"Wie wir leben": 12.00, 16.30, 20.00, 00.00, 03.30.
DX-Programme (in German & English): Every 2nd Mo. in the month: 10.30, 15.00, 18.30, 22.30, Tues. 02.00.
"Unter uns gesagt": Thurs: 11.30, 16.00, 19.30, 23.30, Fri. 03.00.
"Volksmusik": Tues. 12.45, 16.45, 20.15, Wed. 00.15, 03.45.

ANNOUNCEMENTS:
German: "Hier ist die Deutsche Welle. Sie hören uns aus Köln über Richtstrahler nach... im ... Meterband auf... kHz. Die Deutsche Welle sendet dieses Program im Auftrag der Rundfunkanstalten der Bundesrepublik Deutschland. Sie hören uns täglich von... bis... Uhr mitteleuropäischer Zeit." – **English:** "This is the Voice of Germany. Our programme from Cologne is beamed to... on the... metre bands. The frequencies are... kilocycles. This programme is sponsored by the broadcasting stations of the German Federal Republic and is on the air every day from... to... Central European Time." – **French:** "Ici la Voix de l'Allemagne. Depuis Radio-Cologne, autorisée par les émetteurs de la République Fédérale Allemande, vous allez entendre un programme destiné à nos auditeurs..., sur les longueurs d'ondes de... mètres. Les Fréquences sont... kilocycles. Le programme de "La Voix de l'Allemagne" vous est transmis tous les jours de... à... heure de l'Europe Centrale." – **Spanish:** "Habla la Voz de Alemania. Desde Colonia ofrecemos ahora nuestro programa dirigido a la... Nos están oyendo en ondas cortas de... metros en la frequencia de... kilociclos. Estos programas se transmiten a pedido de las emisoras de la República Federal de Alemania, todos los dias, de las... a las... horas, hora de la Europa Central." – **Portuguese:** "Esta é a Voz da Alemanha. A todos nossos prezados ouvintes, boa noite. Estamos transmitindo de Colónia para a..., em ondas curtas de... metros, na frequência de... quilociclos. A Voz da Alemanha envia este programa em nome das emissoras da República Federal Alema. Ouvem-nos, diàriamente, das... às... horas, hora da Europa Central."

INTERVAL-SIGNAL: Motiv from "Fidelio" by Beethoven: "Es sucht der Bruder seine Brüder" played on Celesta.



VERIFICATION by QSL-card or letter. Reports from foreign countries are welcomed. No return-postage required.

FUTURE PLANS: Two 100 kW and one 20 kW transmitter spring 1956.

BAYERISCHER RUNDFUNK (Anstalt des öffentlichen Rechtes)

ADDRESS: Bayerischer Rundfunk, Anstalt des öffentlichen Rechtes, München 2, Rundfunkplatz 1. Cable: "Rundfunk München".

LEADING PERSONALITIES: Intendant: Rudolf von Scholtz. Verwaltungs Direktor: Hans Spies. Fernsehdirektor: Dr. Clemens Münster. Technischer Direktor: Dr. Ferdinand Daser. Chefredakteur: Walter von Cube.

HOME SERVICE

PROGRAM I: 04.30(Sun. 05.00)–24.00.

Medium Waves:

	kc/s	m	kW			kc/s	m	kW	
Bayreuth	520	577	5/0.2	1)	Hof	1602	187	0.4	4)
3 low pow. st.	520	577	0.2	2)	Nürnberg I	1602	187	20/40	3)
München	800	375	100	*)	Landau	1602	187	20	2)
5 low pow. st	1484	202	0.4/2	2)	Kirchheim	1602	187	20	2)

*) Daytime non-directional. Nighttime directed to North-East. 1) Daytime. 2) Nighttime. 4) Day- and Nighttime. 3) Daytime 20 kW. Nighttime 40 kW.

FM: Bamberg Ch. 3 93.9 mc/s 1 kW.

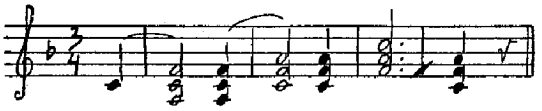
Short Waves:
München 6160 kc/s 48.70 m 10 kW relay Home Service.

PROGRAM II FM: W.: 17.00–24.00. Sun. 06.00–22.30.

	Ch	mc/s	kW		Ch	mc/s	kW
Büttelberg/ Frankenh.	2	87.6	5	Traunstein/ Hochberg	7	89.1	1
Tegernseer Tal	2	87.6	0.1	Rotbühl	8	89.4	3
Landshut	3	87.9	0.1	Berchtesgaden	9	89.7	0.25
Ochsenkopf/ Fichtelgebirge	4	88.2	10	Hohenpeissenberg	9	89.7	3
Lindau	4	88.2	0.25	Coburg	10	90.0	1
Gelbelsee/ Eichst. Alb.	5	88.5	3	Wendelstein	10	90.0	10
Burgstall/ Hoher Bogen	6	88.8	3	Bad Reichenhall	11	90.3	0.25
				Grünten/Algäu	12	90.5	10
				Bamberg/ Geisberg	13	90.9	5
Würzburg/ Frankenwarte	14	91.2	1	Passau/Kühberg	20	93.0	0.15
Nürnberg	15	91.5	0.15	Hühnerberg b. Harburg	21	93.3	5
Brotjacklriegel	15	91.5	10	Nürnberg	23	93.9	3
München-Freimann	16	91.85	0.15	Augsburg-Göggingen	24	94.2	0.15
Kreuzeck b. Garm. Partenk.	20	93.0	0.15	Pfaffenberg b. Aschaffenbg.	24	94.2	3
Kreuzberg/Rhön	20	93.0	10	Hohe Linie b. Regensburg	25	94.5	3

ANNOUNCEMENT: "Hier ist der Bayerische Rundfunk".

INTERVAL-SIGNAL:



VERIFICATION by QSL-card or letter.

HESSISCHER RUNDFUNK (Anstalt des öffentlichen Rechts).

ADDRESS: Bertramstrasse 8, Frankfurt-am-Main. Cable: "Radio Frankfurt".

LEADING PERSONALITIES: Pres. of the Board of Broadc. Stadtrat a.D.Dr. Rudolf Keller. Pres. of the Board of Administration: Ministerialdirektor i.R.Dr. Kurt Magnus. Intendant Eberhard Beckmann. Dir. Prgr.: Dr. H. J. Lange. Administrator: Hans Schmorl. Director of the Staff: Willi Heckroth. Technical Director: Dr. Ing. Franz Miseré. Justitiar: Lawyer Wolfgang Lehr. Dir. Politic and Actuelles: Otto Herr. Dir. Education: Prof. Dr. Gottfried Hausmann. Dir. of Prgr. & Television: Dr. Hans Joachim Lange. Dir. Music: Heinz Schröter. Dir. Entertainment: Hans Otto Grünefeldt.

HOME SERVICE in German

PROGRAMME I
Frankfurt 593 kc/s 505.8 m 100 kW d
Meissner 593 – 505.8 – 20 – d
Feldberg FM 88.5 mc/s 10 kW
Biedenkopf FM 95.4 mc/s 0.25 kW experimental.
Frankfurt: Sun.–Thurs.: 04.00–23.00. Fri. Sat.: 04.00–03.30.
Meissner: Sun.–Fri.: 04.00–23.00. Sat. 04.00–24.00.
All stations of 2nd Prgr. are also radiating the 1st prgr. Mo.–Fri. until 17.45, Sat. until 10.20 and Sun. until 07.00.
News & Commentaries: 04.00–04.05, 05.30–05.35 (exc. Sun.), 07.00–07.05, 11.50–12.00, 16.45–17.00, 18.40–18.50, 21.00–21.10, 23.00–23.05. **"Rund um Kassel":** 13.05–13.20. **Weatherreports:** 04.00–07.00 every half hour and after the news at 11.50, 18.30, 21.00, 23.00. **Religious:** Sun. 07.15–08.15. Fri.: 15.45–16.00. Thurs. 08.30–08.45 (fortnightly). **"Volksmusik":** Mo. 16.00–16.45. Thurs. 15.00–15.45. Sat. 13.30–14.15. **Request Progr.:** Sun. 14.30–15.45. Sat. 15.00–16.45 (or 16.00) fortnightly. **Progr. Preview:** W.: 05.20, 18.28. Sun. 07.05, 18.58.

PROGRAMME II
Mo.- Fri.: 17.45–23.00. Sat. 10.20–23.00. Sun. 07.00–23.00.

		mc/s	kW			mc/s	kW
Meissner	FM	89.7	10	Biedenkopf FM		91.2	60
Hardberg	FM	89.7	0.5	Feldberg II FM		92.1	60
Würzberg	FM	89.7	0.5				

News: 20.10–20.20. **Weatherreport:** 20.20 approx. **Religious:** Sun. 10.30–11.00.
COMMERCIAL PROGRAMMES: W.: 07.15–08.00, 10.00–10.20. Also Mo. Tues. Thurs. Fri. 12.00–12.50. Wed. 12.10–12.50. Sat. 12.00–12.40.

ANNOUNCEMENT: "Hier ist der Hessische Rundfunk".

INTERVAL-SIGNAL: Electronic music. VERIFICATION by QSL-card.

At the beginning of 1956 Nordwestdeutscher Rundfunk (NWDR) will be replaced by two organizations: Westdeutscher Rundfunk, Köln, Wallrafplatz 5, and Norddeutscher Rundfunk, Rothenbaumchaussee 132/134. At present not possible to give exact information.

NORDDEUTSCHER RUNDFUNK (Anstalt des öffentlichen Rechts.).

ADDRESS: (24a) Hamburg 13, Rothenbaumchaussee 132/34. Cable: Nordfunk. NDR Hannover: Hannover Rudolf-von-Benningsen, Ufer 22. Studios: Flensburg: Friedrich-Ebert-Str. 1. Oldenburg: Oldenburg: Oldenburg i. O. Ziegelhof.

LEADING PERSONALITIES: Vorsitzender Hauptausschuss: Oberlandesgerichtspräsident Prof. Dr. Herbert Ruscheweyh, Hamburg. Vorsitzender Verwaltungsrat: Staatssekretär Dr. Karl Mohr, Düsseldorf. Generaldir.: Dr. h. c. Adolf Grimme. Persönlicher Referent des Generaldir.: Dr. Friedrich Wenzlau. Stellvertretender Generaldir. und

1. Dir.: Dr. Franz Schmidt. Technischer Dir.: Prof. Dr. Werner Nestel. Finanzdir.: Dr. Georg Hubrich. Leiter der Rundfunkschule: Alexander Maas. Leiter Aussenreferat: Walter D. Schultz. Leiter Pressestelle: Hanns Ruppersberg. Leiter Nachrichten-Hauptredaktion: Hans Schmid. Leiter Abteilung "Hörerforschung": Wolfgang Ernst. – **Funkhaus Hamburg:** Intendant mit der Wahrnehmung der Geschäft beauftragt: Dr. Walter Hilpert. Stellver. Indendant: mit der Wahrnehmung der Geschäfte beauftragt und Hauptabteilungsleiter Wort: Franz Reinholz. Leiter Musikabteilung: Harry Hermann Spitz. Leiter Abteilung "Politisches Wort": Dr. H. F. G. Starke. Leiter Abteilung "Kulturelles Wort": Dr. Jürgen Eggebrecht (Sitz im Funkhaus Hannover). Leiter Abteilung "Unterhaltendes Wort": Albin Stuebs. Leiter Nachtprogramme: Jürgen Schüddekopf. Leiterin Wirtschaftsfunk: Dr. Julia Dingwort-Nusseck. Leiter Abteilung "Hörspiel und Produktion": Dr. Heinz Schwitzke. Leiter "Niederdeutsche Abteilung": Heino Landrock. Leiter Abteilung "Zeitfunk": Rüdiger Proske. Sendeleiter: Josef Wilkens. Technischer Leiter: Obering. Hans Ehrich. – **Funkhaus Hannover:** Leiter: Dr. Franz B. Zons. Leiter Abteilung "Kulturelles Wort": Dr. Jürgen Eggebrecht.

HOME SERVICES in German:

MEDIUM WAVE-PROGRAMME:

	kc/s	m	kW	
Hamburg	151	1986.0	25	19.00–24.00 Experimental
Braunschweig-Salzgitter	520	577.0	1.5	03.55–00.10 (Sat. 01.10). Nightprgr. on 971 kc/s.: Tues., Fri., Sun. 00.15–03.30. Sat. 01.15–04.30.
Norden/Ostfriesland	701	427.8	2	
Göttingen	971	309.0	5	
Hamburg	971	309.0	100	
Flensburg	1570	191.1	2	
Lingen	1570	191.1	2	
Hannover	1586	189.1	20	
Kiel	1586	189.1	5	
Oldenburg	1586	189.1	40	
Osnabrück	1586	189.1	5	

Short Wave (relay m.w. programme):
NordenOstfriesland 6075kc/s 49.38m 5 kW and 3970kc/s 75.57m 0.4kW.
FM stations (relay m.w. progr.): 03.55–00.10 (Sat. 01.10).

	mc/s	kW		mc/s	kW
Heide II	90	3	Hamburg II	92.1	1
Bungsberg II	91.5	1	Hannover II	97.8	0.8

Fixed Programmes:
N.: W.: 04.00–04.05, 05.00–05.05, 06.00–0 .05, 07.00–07.10, 07.55–08.00, 12.00–12.10, 16.00–16.05 (exc. Sat.), 18.00–18.10, 20.45–20.55, 23.00–23.15. – **Weatherrep.:** After each newscast (exc. 16.00) and for North- and Baltic Sea: 10.40, 00.00 (Sat./Sun. 01.00). – **Time-Signal:** 11.59.

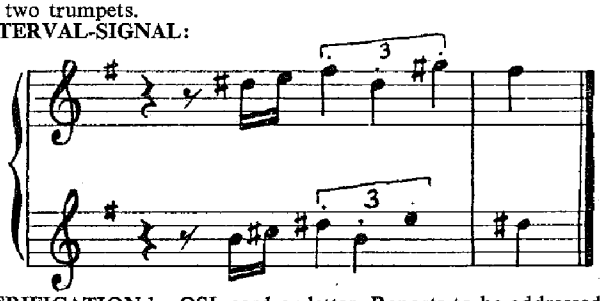
FM-Programme NORD
Mo.-Fri. 05.30–12.45, 13.30–24.00. Sat.: 05.30–24.00. Sun. 06.30–24.00.
N.: W.: 06.30, 07.30, 11.00, 17.00, 21.25. Sun.: 07.00, 19.00, 21.30.

	mc/s	kW		mc/s	kW
Lübeck	87.9	0.25	Hannover I	93.0	10
Hamburg I	88.5	10	Norden/Ostfriesland	93.3	3
Göttingen	88.8	1	Dannenberg	93.3	0.5
Flensburg	93.0	3	Osnabrück	93.6	1.5
Heide	93.6	3	Kiel	94.2	1
Braunschweig	90.9	1.5	Bungsberg	95.7	0.25
Oldenburg	95.4	10			
Lingen	88.8	3			

ANNOUNCEMENT: "Hier ist der Norddeutsche Rundfunk... (name of station)".

INTERVAL-SIGNAL: Motif from the first movement of Johs. Brahms' 4th Symphony, played from Hamburg on two oboes, and Hannover on two trumpets.

INTERVAL-SIGNAL:



VERIFICATION by QSL-card or letter. Reports to be addressed to: Norddeutscher Rundfunk, Technische Hörerpost, Hamburg 13, Rothenbaumchausse 132/134.

RADIO BREMEN

ADDRESS: Radio Bremen, Anstalt des öffentlichen Rechts, Heinrich-Hertz-Str. 13, Bremen. **Cable:** Radio.

LEADING PERSONALITIES: Intendant: Walter Geerdes. Dir. Progr.: Dr. Hans Arnold. Dir. Tec.: Ansgar Olshausen. Adm.: Helmuth Oliver. Music-Dept.: Dr. Siegfried Goslich. Plays- and Literature-Dept.: Oswald Döpke. Home-Service: Eberhard Freudenberg. School-Radio: Gerhard Schäfer. News-Dept.: Rolf Menzel. Hans Herbert Westermann. Entertainment-Dept.: Dieter Rohkohl. Press-Dept.: Rudolf Dumont du Voitel. Talk Dept.: Dr. Lutz Besch.

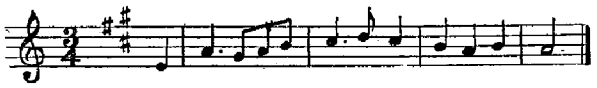
HOME SERVICE in German: First Programme:
Bremen 1358 kc/s 221 m 20 kW – Bremerhaven 1079 kc/s 278 m 2 kW
W.: 05.30–08.45, 09.00–09.30 (relays NWDR FM Nord), 09.30–11.00 (relays NWDR FM West), 11.00–13.40, 14.00–15.00 (relays NWDR FM Nord), 15.00–22.15, 22.15–24.00 (relay NWDR FM Nord, Wedn. and Thurs. 00.00–03.00, Light Music from RIAS. S.: 06.00–22.15, 22.15–23.00 (relays NWDR FM West), 23.00–24.00 (relays NWDR FM Nord or West).
N and Weatherrep.: 06.00, 07.00, 08.00, 11.45, 15.45, 18.45, 22.00.
Second Programme FM:
Bremen 89.4 mc/s 3 kW. – Brenerhaven 91.8 mc/s 0.25 kW. – Bremen 96.9 mc/s 3 kW.
W.: 17.00–22.15, other times first progr. Sun. 06.00–22.15 other times first progr.
ANNOUNCEMENT: "Hier ist Radio Bremen mit dem ersten bzw. zweiten Programm".
INTERVAL-SIGNAL: Three notes: b/d/e. The first three letters of Bremen. The note "d" is the italian "re" and is standing for the letter "r" of Bremen.

SÜDDEUTSCHER RUNDFUNK (Anstalt des öffentlichen Rechts)

ADDRESS: Süddeutscher Rundfunk, Neckarstrasse 145, Schliessfach 837, Stuttgart. **Cable:** Rundfunk Stuttgart.
LEADING PERSONALITIES: Intendant: Dr. Fritz Eberhard. Dir. Progr.: Dr. Peter Kehm. Administrator: Friedrich Müller. Chief Engineer: Dr. Helmuth Rupp. Chief for Plays: Mrs. Cläre Schimmel. Dir. Music: Hans Müller-Kray. Chief of Press Dept.: Dr. Werner R. Deusch. Chief-Editor: Dr. Fritz Malburg. Justitiar: K. Neufischer.
HOME SERVICE:

	kc/s	m	kW		
Mühlacker	575	522	100	1' Progr.§)	
Ulm-Jungingen	1169	257	3	1'	–
Heilbronn-Obereisesheim	1169	257	8	1'	–
Heidelberg-Dossenheim	998	301	8	1'	–
Bad Mergentheim Löffelstelzen	1412	212	3	1'	–
Wertheim I	1484	202	0.1	1'	–
Buchen-Walldürn	998	301	0.2	1'	–
Mühlacker s.w.	6030	49.75	20	1'	–
FM	**mc/s**	**kW**			
Stuttgart-Degerloch I	94.5	3		1' Progr.	
Aalen I	92.7	3		1'	–
Heidelberg-Königstuhl II	91.5	10		1'	–
Waldenburg I	90.0	10		1'	–
Geislingen-Oberböhringen I	91.2	0.25		1'	–
Ulm-Wilhelmsburg I	87.9	0.25		1'	–
Stuttgart-Funkhaus II	93.2	0.25		2'	– ***)
Waldenburg II	93.6	10		2'	– ***)
Ulm-Wilhelmsburg II	91.5	0.5		2'	– ***)
Stuttgart-Degerloch II	90.9	10		2'	– ***)
Aalen II	89.1	3		2'	– ***)
Mühlacker	88.8	1		2'	– ***)
Bad Mergentheim Löffelstelzen	88.8	1		2'	– ***)
Heidelberg-Königstuhl II	87.9	10		2'	– ***)
Geislingen-Oberböhringen	87.6	0.25		2'	– ***)
Wertheim II	92.72	0.05		2'	– ***)
Buchen-Walldürn	92.67	0.05		2'	– ***)

§ and a night progr.: Tues Wed. Thurs.: 23.15–03.15. ***) Relay the entire 2' Progr. and 1' Progr. from opening.
FIRST PROGRAMME: Mo. 03.53–23.10, Tues.–Thurs. 03.56–23.15, Fri. 03.56–23.10. Sat. 03.56–24.00. Sun. 04.57–24.00. – **N.:** W. 04.30, 05.00, 06.00, 07.00, 08.00, 11.30, 13.15, 17.00, 18.30, 21.00, 23.00. Sun.: 07.00, 11.30, 18.30, 21.00, 23.00. – **"Volksmusik":** Sun. 05.00 or 06.10, Mo. Wed. Fri. 04.00, Mo. Tues. Thurs. 11.15. – **Request Prgr.:** W. 05.10, 17.05 (exc. Sat.). – **Progr. Preview:** W. 06.10. Sun. 09.55. – **Prgr. in Polish (Religious):** First Fri. of the month 16.00–16.15.
SECOND PROGRAMME: Mo.–Thurs. 16.00–22.15, Fri. 16.00–22.30, Sat. 14.00–24.00, Sun. 07.05–22.15.
ANNOUNCEMENT: "Süddeutscher Rundfunk".
INTERVAL-SIGNAL: The first notes of a Swabian folksong: "Jetzt gan g i ans Brünnele".



VERIFICATION by letter. Reports wanted.

SÜDWESTFUNK (Anstalt des öffentlichen Rechts).

ADDRESS: Südwestfunk, Zentralstudio, Hans Bredowstrasse, Baden-Baden. **Cable:** Südwestfunk, Baden-Baden.

LEADING PERSONALITIES: Intendant: Prof. Fr. Bischoff. Progr. Dir.: L. Hartmann. Dir. Tec.: E. Becker. Adm.: A. Manke. Press- and Information Dept.: Dr. E. Laurenze. Studio-Dir.: K. Stippich. Legal Adviser: Prof. Dr. Carl Haensel. Chairman of the Radio Council: Prof. Dr. Karl Holzamer, Mainz. Chairman of the Adm.-Council: Dr. Josef Knecht, Freiburg/Br.

HOME SERVICE

PROGRAMME I: Sun.: 06.00–00.10 (Rheinsender only to 03.30). W.: 04.45–23.10 (Wed. 24.00, Sat. 01.00).

Medium Waves:	kc/s	m	kW		kc/s	m	kW
Baden-Baden	827	363	1.5	Trier	827	363	1
Freiburg	827	363	40	Rheinsender	1016	295	70
Kaiserslautern	827	363	2	Bad Dürrheim	1538	195	20
Koblenz	827	363	1	Ravensburg	1538	195	40
Sigmaringen	827	363	1	Reutlingen	1538	195	5

Short Wave: Bad Dürrheim 7265 kc/s 41.29 m 1.5 kW.

FM:	mc/s	kW		mc/s	kW
Baden-Baden 1	92.5	0.25	Linz 1/A. Rh.	97.8	3
Betzdorf 1/Westerw.	93.0	0.25	Potzberg 1/		
Blauen 1	95.7	1	Westpfalz	95.4	3
Hardtkopf 1/Hunsrück	93.6	3	Raichberg 1/Alb.	91.8	3
Hochrheinsender 1	89.1	0.1	Witthoh 1/Hegau	87.6	1
Hornisgrinde 1	93.0	10	Wolfsheim 1	96.9	3
Koblenz 1	94.5	1			

N., Weatherrep. :04.50, 06.00, 07.00, 08.30, 11.45, 15.50 (exc. Sat.), 21.00, 23.00. Sun. 06.00, 07.00, 08.00, 11.45, 21.00, 23.00. – **"Deutsche Pressestimmen":** W. 12.00. – **"Tribüne der Zeit":** W. 18.30. – **"Zeitfunk":** Mo.–Fri. 18.00, Sat. 18.15. – **Religious Progr.:** Sun. 07.30 (evangelic), 08.15 (catholic), W. 05.50.

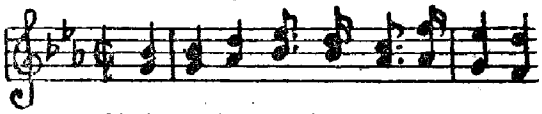
PROGRAMME II: Sun.: 06.00–00.10, W.: 04.45–23.10 (Wed. 24.00, Sat. 01.00).

FM:	mc/s	kW		mc/s	kW
Baden-Baden 2	89.9	0.25	Mainz	93.3	0.05
Betzdorf 2	89.4	0.25	Linz 2	96.0	3
Blauen 2	87.9	3	Potzberg 2	91.2	3
Haardtkopf 2	90.0	3	Raichberg 2	88.2	3
Hochrheinsender 2	92.7	0.1	Waldburg	92.4	3
Hornisgrinde 2	89.4	10	Weinbiet	90.3	6
Koblenz 2	90.9	1	Witthoh 2	91.2	1
Eifel	88.2	5	Wolfsheim 2	99.3	3

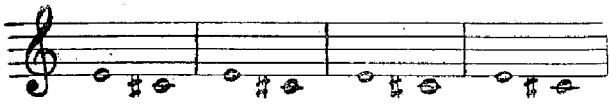
N., Weatherrep.: W.: 04.50, 06.00, 07.00, 11.00, 15.50 (exc. Sat.), 18.20, 23.00. Sun.: 06.00, 09.00, 10.30, 13.00, 18.20, 23.00. – **French by Radio:** Mo. Wed. Thurs. Sat. 09.00. – **"Tribüne der Zeit":** W. 21.30.

ANNOUNCEMENT: "Hier ist der Südwestfunk mit seinem I Programme (bezw. II Programme)".

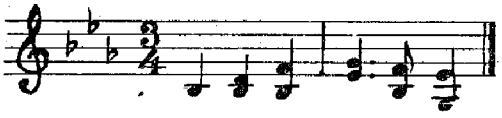
INTERVAL-SIGNALS: Baden-Baden: Motif from Mozart's "Zauberflöte": "Bald prangt den Morgen zu verkünden".



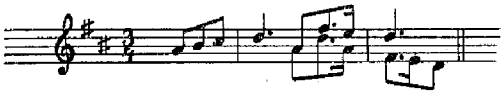
Studio Freiburg: Glockenmotiv des Freiburger Münsters: "Petrus und Maria".



Studio Tübingen: "Droben im Oberland...".



Landesstudio Rheinland-Pfalz (Mainz):



VERIFICATION by letter. Return postage not required.

FUTURE PLANS: 2 FM stations: 1st Prgr. 90.00 mc/s – 18 kW; 2nd Prgr. 93.6 mc/s – 18 kW.

WESTDEUTSCHER RUNDFUNK (W.D.R.) (Anstalt des öffentlichen Rechts).

ADDRESS: Wallrafplatz 5. – Studios: Bonn, Bundeshaus. Düsseldorf, Klosterstr. 60. Westfalen Studio: Dortmund, Märkische Str. 120. Büro, Münster. –

LEADING PERSONALITIES: Vorsitzender Rundfunkrat: Oberbürgermeister Aug. Seeling, Duisburg, Rathaus. Vorsitzender Verwaltungsrat: Rechtsanwalt: J. H. Dufhues, Bochum, Kortumstr. 68. – **Intendant:** Hanns Hartmann, W. D. R., Köln. Hauptabteilung Politik: Dr. Fritz Brühl. Hauptabteilung Musik: Dr. Edmund Nick.

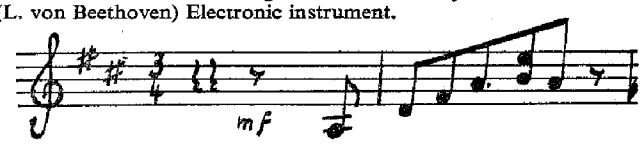
HOME SERVICE:

1. Programme:	kc/s	m	kW	
Aachen/ Stolberg	701	428	2	Mo.–Fri. 03.55–09.30, 11.00–00.00 Sat. 03.55–09.30, 11.00–01.00 Sun. 04.58–00.00
Herford	701	428	2	
Siegen	755	397	2	
Langenberg	971	309	100	Mo.–Fri. 03.55–09.30, 10.45–03.30 Tues.–Thurs. 03.55–09.30, 10.45–00.00 Sat. 03.55–09.30, 10.45–04.30 Sun. 04.58–03.30
Münster	1502	199	0.4	
Bonn	1586	189	5	
Kleve	1586	189	0.4	
F.M.:	mc/s			
Langenberg II	87.9	10	as. Aachen/Stolberg	
Nordhelle II	90.3	3	as. Aachen/Stolberg	
Teutoburger Wald II	90.6	10	as. Aachen/Stolberg	
Köln II	93.3	0.25	as. Aachen/Stolberg	

N.: W.: 04.00, 05.00, 06.00, 07.00, 07.55, 12.00, 16.00(exc. Sat.) 18.00, 20.45, 23.00. – Sun.: 06.00, 08.00, 12.00, 18.00, 20.45, 23.00. – **Weatherrep.:** Sun.: 05.00, 06.00, 08.00, 12.00, 18.00, 20.45, 23.00. – W.: 04.00, 05.00, 06.00, 07.00, 07.55, 12.00, 18.00, 20.45, 23.00. – **Mailbag:** Sun. 13.30. – **Request Prgr.:** Sun. 14.00–15.30. – **Religious:** W. 05.50. Sun. 09.00.

ANNOUNCEMENT: 1st Prgr.: "Hier ist der Westdeutsche Rundfunk Köln". – 2' Prgr.: "Hier ist der Westdeutsche Rundfunk mit dem zweiten Programme".

INTERVAL SIGNAL: 1. Prgr.: Motif from "In jenen frohen stunden" (L. von Beethoven) Electronic instrument.



2. Programme: Mo.–Sat.; 05.45–13.00, 15.00–23.00. Sun. 06.00–23.00.

	mc/s	kW		mc/s	kW
Köln I	89.7	0.25	Nordhelle I	93.9	3
Bonn	89.75	0.25	TeutoburgerWald I	94.2	10
Aachen	90.0	1	Münster	94.5	1
Kleve	91.5	0.25	Langenberg I	95.7	10
Eifel-Sender	91.8	1	Monschau	98.4	0.05
Siegen	91.8	0.25			

"Westfälisches Programme" = Münster, Nordhelle, and Teutoburger Wald.

"Rheinisches" Programme = Aachen, Bonn, Eifel-Sender, Kleve, Köln, Langenberg, Monscau and Siegen.

N.: W.: 06.30, 07.30, 11.30, 16.45 (exc. Sat.), 19.00, 22.00. – Sun.: 07.30, 11.30, 19.00, 22.00. – **Request Prgr.:** Mo.–Fri.: 06.00–Sat. 06.00, 13.30. – Sun. 06.05.

2' Prgr.: Motif from the second movement of the third symphony Es-flat (Robert Schumann). Played on Celesta.

WEST-BERLIN

RIAS–Berlin (United States Information Agency)

ADDRESS: Berlin-Schöneberg, Kufsteiner Strasse 69. Cable: RIAS-Berlin.

LEADING PERSONALITIES: Dir.: Gordon A. Ewing. Deputy Dir.: R. W. Ehrman. Dir. Progr.: Eberhard Schütz. Tec. Dir.: Albert Pösniker. Dir. Adm.: Max R. Braun. Dir. Music: Dr. Wolfgang Geiseler. Dir. Public Relations: Dr. Klaus Brock.

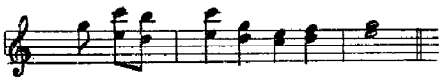
STATIONS	kc/s	m	kW		kc/s	m	kW
München	173	1735.0	1000	Berlin	989	303.3	300/200
Berlin	683	439.2	100	Berlin	6005	49.96	20
Berlin	737	407.0	20	Berlin	88.8 mc/s		10
Hof	737	407.0	40				

HOME SERVICE IN GERMAN:

23.00–16.45 (Sat. 17.00, Sun. 13.00) on 683/737 (Hof)/989/6005 kc/s and FM (Breaks: 683/989 kc/s 03.57–04.00, 737 kc/s 01.05–04.00, SW & FM: Tues.–Sat. 02.05–04.00). Also on 173 kc/s: 04.30–07.30 & 10.45–12.00.

News: 23.00, 00.00, 01.00, 02.00, 03.00, 04.00, 04.30, 05.30, 06.30, 07.15 (173 kc/s only), 07.30 08.30, 11.30, 12.30, 15.30. – **Progr. Preview:** Sun. 08.25, Daily 11.55. – **Time Signals:** 23.00, 05.00, 11.00. – **Religious:** W. 05.40–05.45. Sun. 05.45–06.00, 07.00–07.30 (Catholic), 07.40–08.00 (Evangelic). Church-News: Thurs. 15.40. **"Volksmusik":**

Sun. 06.00. **Language Lessons:** English: Tues. Fri. 09.30, French: Mo. Thurs. 09.30. **Request Progr.:** "Die bunte Palette" Thurs 10.00. **"Stimme Amerikas":** Sun. 23.10–23.25, W. 05.45–06.00, 06.00–06.15 (173 kc/s only). **"Die Woche in Bonn":** Sun. 09.30. **"Information aus der sowjetischen Besatzungszone":** W. 05.00, 06.00. **"Berliner Pressespiegel":** Tues.–Sat. 06.40.
RIAS I: 16.45 (Sat. 17.00, Sun. 13 00)–23.00 on 989 kc/s.
News: 15.30 (Sun.), 18.00, 20.00 (W), 21.00 (Sun.), 22.00 (W). **Time-Signal:** 18.00. **Progr. Preview:** Mo.–Fri. 17.43, Sat. 18.30, Sun. 16.43, 18.30. **"Volksmusik":** "Lieder der Heimat": Mo. 20.30. **"Stimme Amerikas":** Mo.–Fri. 17.45–18.00. Mo.–Sat. 21.45–22.00. Sun. 15.00–15.30.
RIAS II: 16.45 (Sat. 17.00, Sun. 13.00)–23.00 on 737/6005 kc/s & FM. (Sun. until 17.00 also on 683 kc/s). **News:** 15.30 (Sun.), 17.30, 19.30 (W), 20.30 (Sun.), 22.00 (W). **"Volksmusik":** "Lieder der Heimat": Fri. 18.00. **"Stimme Amerikas":** 17.15–17.30 (Mo. –Fri.), 20.00–20.15 (W), 21.00–21.30 (Sun.).
ANNOUNCEMENT: "Hier ist RIAS-Berlin".
INTERVAL-SIGNAL: From a Trio Sonate by Karl Fasch.



VERIFICATION by letter. Reception-reports are welcomed. No return postage required.

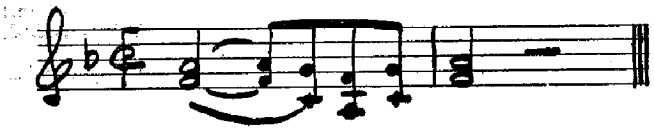
SENDER FREIES BERLIN

ADDRESS: Sender Freies Berlin, Anstalt des öffentlichen Rechts, Heidelberger Platz 3, Berlin-Wilmersdorf (West-Berlin). Cable: Sender Freies Berlin.
LEADING PERSONALITIES: Intendant and Dir. Progr.: Alfred Braun. Dir. Adm.: Otto Bach. Dir. Tec.: Udo Blässer. Chief-Editor: Dr. Ludw. Eberlein. Studio Controller: Dr. Peter Teichmann. Head of Press Dept.: Wilfried Zierke.

HOME SERVICE in German:

Berlin 1st Progr.	566 kc/s	530 m	20 kW	d.
FM	90.0 mc/s		3	–
Berlin 2nd Progr.	1484 kc/s	202 m	5	–
FM	93.6 mc/s		3	–

DAILY PROGRAMMES:
1st Programme: Mo. Fri. Sat. 03.55–03.45. Tues. Wed. Thurs. 03.55–24.00. Sun.: 04.58–03.45.
News: W. 04.00, 05.00, 06.00, 07.00, 08.00, 12.00, 16.00 (exc. Sat.), 18.30, 21.00, 23.00. Sun. 06.00, 08.00, 12.00, 18.30, 21.00, 23.00.
Religious: Sun. 09.00–10.00. – **Progr. Preview:** W. 04.50, 06.50. Sun. 06.55.
2nd Programme: Sun. Mo. Fri. 06.28–23.00, Sat. 06.28–24.00 (exc. Mo. to Fri. 13.05–15.00).
ANNOUNCEMENT: "Hier ist der Sender Freies Berlin".
INTERVAL-SIGNAL: Beethoven's Egmont-Fanfare.



VERIFICATION by letter. Return postage not required.

ALLIED STATIONS

AMERICAN FORCES NETWORK (United States Army).

The American Forces Network operates solely to provide American Forces in Europe with information, education and entertainment by means of radio broadcasting.

ADDRESS: APO 757, New York, N.Y., USA.
LEADING PERSONALITIES: Chief, American Forces Network: Lt. Colonel F. K. Tourtellotte. Tec. Supervisor: F. C. Clarke. Program Supervisor: Hunt Downs.

STATIONS:	kc/s	m	kW			kc/s	m	kW
Munich*)	548	547	100	A	Schweinfurt	1142	263	0.25
Nurnberg*)	611	491	10	A	Fussen	1142	263	0.25 B
Kaiserlautern*)	665	451	10	A	Hersfeld	1142	263	0.25 B
Grafenwohr	665	451	2	B	Wurzburg	1142	263	0.25 B
Frankfurt*)	872	344	150	A	Bamberg	1304	230	0.25 B
Berlin*)	935	321	5	A	Berchtesgaden	1304	230	0.25 B
Ansbach	1034	290	0.25B		Heidelberg	1304	230	1 A
Bad Kissingen	1034	290	0.25B		Regensburg	1304	230	0.25 B
Kassel	1034	290	0.25B		Fulda	1304	230	0.25 B
Stuttgart*)	1106	271	100	A	Kaufbeuren	1304	230	0.25 B
Bremerhaven*)	1142	263	1	A	Bitburg	1394	215	0.25 A
Garmisch	1502	199	0.25 B					
Giessen	1502	199	0.25 B					
Straubing	1502	199	0.25 B					
Short Wave:								
Frankfurt	5470	54.84	0.25 B					

*) Studios.

FM:	mc/s	m	kW
Heidelberg FM	93.9	3.18	0.25
Frankfurt FM	94.9	3.16	10
Höchst	91.7	3.27	0.25

DAILY PROGRAMMES: A. 05.00(Sun. 06.00)–00.05. **"Report from Europe":** Mo.–Fri. 20.00. – **"This World this Week":** Sat. 20.00. – **"Request Parade":** Sun. 16.30. – **"This is Germany":** Wed. 20.45. – **Language Lesson:** 11.45–12.00 (Sat. 08.30) (German). – N.: 05.00(W), 06.00, 07.00(W), 09.00, 11.30, 14.00(exc. Sat.), 17.00(Sun.), 17.15(W), 19.00, 23.00, 24.00. – **Puerto-Rican Prgr. (Spanish):** Sat. 16.15–16.30 (Munich & Stuttgart only). B: 14.00–00.05.

ANNOUNCEMENT: "This is AFN, the American Forces Network" announced at least every half-hour.

INTERVAL-SIGNAL: Every hour on the hour AFN announces the time and the sixth and final pip is exactly on the hour as announced.

VERIFICATION by letter. Return postage not required.

CANADIAN FORCES NETWORK (Canadian Army)

ADDRESS: Zweibrücken. Germany.
STATION: 1625 kc/s 181 m 0.01 kW

RADIO LIBERATION (Pr. – Former Citizens of the U.S.S.R.)

Radio Liberation speaks to the peoples of the U.S.S.R. and the Soviet armed forces as the free voice of their fellow countrymen abroad. Radio Liberation is supported by the American Committee for Liberation from Bolshevism, Inc., which also operates the transmitting facilities.

ADDRESS: Radio Liberation, Lilienthalstrasse 2, Munich 19, Germany, – or American Committee for Liberation from Bolshevism, Inc., 6 East 45th Street, New York 17, New York, U.S.A.

LEADING PERSONALITIES: Pres. of the American Committee: Howland W. Sargeant. Deputy to Pres. Europe: Robert F. Kelley. Dir. R. Division: Manning H. Williams. Deputy Dir. R. Division: L. Rubinstein. Dir. Network Division Europe: R. Hartmann.
STATIONS: Programs are prepared in Munich, Germany, Transmitting facilities are located at Lampertheim, Germany.

kc/s	m	kc/s	m	kc/s	m	kc/s	m
3990	75.18	7255	41.35	9730	30.83	11965	25.06
6055	49.55	7275	41.23	9765	30.72	11975	25.04
6175	48.58	9565	31.36	11720	25.60	15225	19.71
6185	48.50	9585	31.30	11780	25.47	15255	19.65
7130	42.08	9595	31.26	11825	25.38	15300	19.61
7170	41.84	9665	31.04	11920	25.16	15395	19.49
7225	41.52	9680	30.99	11925	25.15	15415	19.46
7245	41.40	9705	30.91	11935	25.13	15430	19.45

DAILY PROGRAMMES: 00.00–24.00.

Target	m.b.	Target	m.b.
Berlin	75–49–41	Minsk-Moscow	49–41–31–25–19
Vienna	49–41	Leningrad	49–41–31–25–19
Kiev	49–41–31	Kazan-Ufa	31–25–19
S. Russia	49–41–31–25–19	Causasus	31–25–19
Moscow	49–41–31–25–19	Turkestan	41–31–25–19

ANNOUNCEMENT: Azerbaijanian: Danyshyr Azatlyk Radiosu. – **Armenian:** Kjosum E "Azatagrutyun" Radiokayane. – **Byelorussian:** Gavoryc Radyio Vysvalen'ne. – **Georgian:** Laparakobs Radiosadguri Gantkhavisupkhleba. – **N. Caucasus:** Govorit Radiostantsiya Osvobozhdeniye (Russian) plus announcements in six local languages. – **Russian:** Govorit Radiostantsiya Osvobozhdeniye. – **Tatar-Bashkir:** Monda "Azatlyk" Radiostansyese Syuili. – **Turkestan:** Soezlayatgan "Azatlyk" Radiosy (Uzbek) Gepleyar "Azatlyk" Radiosy (Turkmen) plus announcements in two other local languages. – **Ukrainian:** Govorit' Radio Vysvolennia.

VOICE OF AMERICA RADIO STATION IN GERMANY

ADDRESS: Voice of America, Munich Relay Base, c/o American Consulate, Munich, Germany; or, Voice of America, Washington 25, D.C., U.S.A.
STATIONS:
Long Wave: Munich-C 173 kc/s 1734 m 1000 kW 07.30–22.45
Medium Wave: Munich-A 1196 kc/s 251 m 150 kW 16.00–00.00
Short Wave: Munich 8/100 kW 11.30–22.15

kc/s	m	kc/s	m	kc/s	m	kc/s	m
3980	75.38	7250	41.38	9620	31.19	11830	25.36
6080	49.34	7295	41.12	9670	31.02	15200	19.74
6140	48.86	9540	31.45	11760	25.51	15290	19.62
7160	41.90	9545	31.43	11805	25.41	15370	19.52
7235	41.47					17840	16.82

DAILY PROGRAMMES:
Medium Wave

15.45–16.00 German (Sun. only)	16.45–17.15 Russian
16.00–16.15 Lithuanian	17.15–17.30 German
16.15–16.45 Polish	17.30–17.45 Austrian

17.45–18.00 Slovene	21.00–21.15 Lithuanian
18.00–18.30 Lithuanian	21.15–21.30 Austrian
18.30–19.00 Hungarian	21.30–21.45 Latvian
19.00–19.30 Serbo-Croat	21.45–22.15 Russian
19.30–20.00 Polish	22.15–23.15 Polish
20.00–20.30 Estonian	23.15–23.30 Estonian
20.30–21.00 Czech	23.30–00.00 Hungarian

Long Wave

07.30–08.15 Russian	17.15–17.30 Germa
08.15–09.15 Polish	17.30–18.00 Polish
09.15–10.45 Russian	18.00–18.30 Russian
12.00–13.00 Russian	18.30–19.30 Hungarian
13.00–13.30 Polish	19.30–20.00 Polish
13.30–14.00 Hungarian	20.00–20.15 German
14.00–14.15 Czech	20.15–20.45 Russian
14.15–16.15 Russian	20.45–21.15 Hungarian
16.15–16.45 English	21.15–22.15 Russian
16.45–17.15 Russian	22.15–22.45 Polish

Short Wave. See U.S.A.
ANNOUNCEMENT: "This is the Voice of America Radio Station in Munich".
VERIFICATION: By QSL-card. No return postage required.

RADIO FREE EUROPE (Private, non-comm.) by American contribution.
ADDRESSES: Radio Free Europe, a Division of the Free Europe Committee, Inc., 110 West 57th Street, New York 19, N.Y., USA. European address: Englischer Garten 1, Munich, Germany. **Cable:** RADEUROPA.

(LEADING PERSONALITIES: President, Free Europe Committee New York): W. H. Shepardson. Director, Radio Free Europe W. J. C. Egan. Dir. of Engineering: C. M. Harris. European Dir.: R. J. Condon. Deputy European Dir.: A. A. Michie. European Dir. of Engineering: G. L. Graveson.

STATIONS:
Medium Wave: Holzkirchen, Germany 719 kc/s 417.2 m 135 kW
Cham, Germany 854 – 351.0 – 50 –
Short Wave: Eight s.w. transmitters in Biblis, Germany (with output powers of 10, 20, 50 kW) and thirteen s.w. transmitters in Portugal (with outputs of 50 and 100 kW).

kc/s	m	kc/s	m	kc/s	m	kc/s	m
3960	75.75	7180	41.78	11725	25.59	15185	19.76
5960	50.37	7192	41.72	11735	25.56	15195	19.74
5970	50.25	7235	41.47	11745	25.54	15215	19.71
5985	50.12	7285	41.18	11755	25.52	15265	19.66
6015	49.88	7295	41.12	11760	25.51	15295	19.61
6020	49.83	7300	41.10	11775	25.48	15355	19.53
6095	49.22	9505	31.56	11815	25.39	15365	19.53
6105	49.14	9595	31.27	11830	25.36	15420	19.45
6130	48.94	9607	31.23	11855	25.31	17725	16.92
6150	48.78	9655	31.07	11885	25.24	17840	16.82
7105	42.22	9695	30.95	11895	25.22	17855	16.80
7140	42.02	9712	30.89	11915	25.17	17885	16.78
7145	41.99	9715	30.88	11940	25.13	17895	16.76
7155	41.93	9717.5	30.87	15115	19.85		
7165	41.87	9725	30.85	15145	19.81		
7175	41.80	9750	30.77	15170	19.78		

Most RFE frequencies are cleared for use both in Germany and in Portugal, and the selection of transmission location is a function of propagation condition throughout the year.

DAILY PROGRAMMES directed to Czechoslovakia, Poland, Hungary, Rumania and Bulgaria:

Czech/Slovak Service: 03.58(Sun. 05.58)–23.00, 23.20–23.40 on 417, 351 m and 75, 49, 41, 31, 25 and 19 m.b. – N. every hour on the hour.
Hungarian Service: 04.57 (Sun. 06.57)–23.00, 23.40–00.10 in 49, 41, 31, 25 and 19 m.b. – N. every hour on the hour.

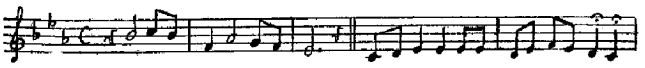
Polish Service: W. 03.55–08.28, 09.28–23.20. Sun. 06.50–23.20 in 49, 41, 31, 25 and 19 m.b. – N. every hour on the hour.

Rumanian Service: 03.45–04.45 (Sun. 05.45–06.45), 16.00–17.00, 18.00–20.00 in 41, 31 25 m.b.

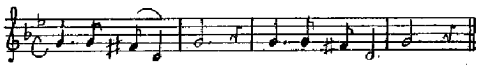
Bulgarian Service: 17.00–18.00, 20.00–22.00 in 41, 31, 25 m.b.

ANNOUNCEMENTS: Czechoslovak: Sign on: "Vola hlas Svobodneho Ceskoslovenska rozhlasova stanice Svobodna Evropa". – Sign off: "Rozhlasova stanice Svobodna Evropa konci nyni své kazdodenni vysilani...At zije svobodné Ceskoslovensko!". – **English:** "This is the Voice of Free Czechoslovakia-Radio Free Europe" – "Radio Free Europe just finished its daily broadcast... Long live Free Czechoslovakia". – **Hungarian:** Sign on and Sign off: "Itt a Szabad Europa Rádioja, a Szabad Magyarország Hangja". – **English:** "This is Radio Free Europe, the Voice of Free Hungary". – **Polish:** Sign on and Sign off: "Mowi Radio Wolna Europa-Glos Wolnej Polski!" – **English:** "This is Radio Free Europe, the Voice of Free Poland".

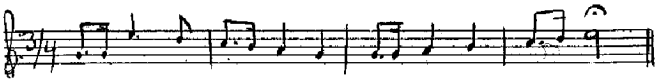
INTERVAL-SIGNALS: Czech: Czech and Slovak National Anthem (Celesta):



Hungarian: Old Hungarian folksong: "When the Cock Crows" (Taragota):



Polish: Polish patriotic song: "The day will come" (Brass instruments):

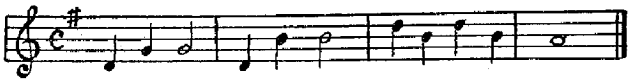


VERIFICATION by QSL-card or letter from either Munich or New York. Return postage unnecessary.

BRITISH FORCES NETWORK (Military).
ADDRESS: B.F.N., Cologne, BAOR 19.
LEADING PERSONALITIES: Station Dir.: D. G. Scuse. Dir. Tec.: A. L. Langford.
STATIONS: 10 kW. FM.

	mc/s		mc/s		mc/s
Berlin	87.6	Bonn	96.5	Langenberg	89.1
Berlin	99.05	Hamburg	98.4	Hannover	99.0
Herford	96.6	Drachenberg	99.3	Verden	90.3
				Nordhelle	87.15

BFN must take the Light Programme from one hour before sunset throught the year in order to avoid mutual interference.
DAILY PROGRAMMES on all frequencies in English: D. 05.30 (Sun. 07.00)–22.45(Sat. 24.00), (Sun. 23.15).
N.: 07.00, 08.00, 09.00, 12.00, 22.00.
ANNOUNCEMENT: "This is the British Forces Network in Germany".
INTERVAL-SIGNAL: British Army Bugle Call "Fall-in" played on Celeste.



VERIFICATION: Local Reception Reports only are required and will be answered by letter.
PUBLICATIONS: Weekly BFN Bulletin.

GERMAN DEMOCRATICE REPUBLIC

STAATLICHES RUNDFUNKKOMITEE (Govt.)
ADDRESS: Staatliches Rundfunkkomitee, Berlin-Oberschöneweide, Nalepastrasse 18–50. **Cable:** Funkkomitee, Berlin.

LEADING PERSONALITIES: Vorsitzender: Kurt Heiss. Stellvertr. Vorsitzender: Wolfgang Kleinert, W. Perk, T. Grandy. Dir. Tec.: Gerhard Probst.
HOME SERVICES:

Deutschlandsender

kc/s	m	kW
185	1621.6	100
782	383.6	500
881	340.5	20
6115	49.06	5
7150	41.96	5

FM 92.5 mc/s.

Berliner Rundfunk

K.-Marxstadt	602	498	20
Berlin	611	491	20
Leipzig	575	521.7	300
Reichenbach	912	328.9	20

FM: Schwerin 89.2, Inselsberg 94 Dresden 89.8, Burg 97 mc/s.

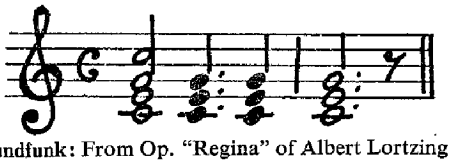
Radio D. D. R.

	kc/s	m	kW
Berlin	529	567.1	20
Schwerin	728	412.1	500
Potsdam	557	538.6	20
Erfurt	858	349.6	20
Dresden	1043	287.5	220
Plauen	1079	278.1	20
Suhl	688	436	20
Greifswald	656	457.3	5
Halle	1196	250.8	20
Leipzig	9730	30.83	12

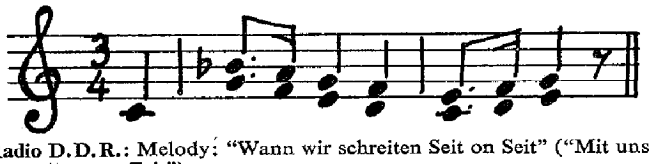
FM: Leipzig 88, Jessen 91, Damgarten 91, Brocken 94.6, Rheinsberg 95.2 mc/s.

Deutschlandsender: Sun. 03.00–03.00. W.: 03.00–07.10, 07.10–09.00 (exc. 782, 6115, 7150 kc/s); 09.10–11.00 (exc. 185, 881 kc/s); 11.00–24.00 (Sat. 02.00); 00.00–03.00 (728, 782 kc/s only).
"Nordseefischereibericht" on 185 kc/s. Sun. 16.40. W. 17.45. – **Bericht für die Hochseefischerei"** on 728, 656 kc/s. D. 23.50, 02.55. Sun. 12.10. **N. and Weatherrep.:** 03.00(W), 04.00, 04.30(W), 05.00, 05.30(W),

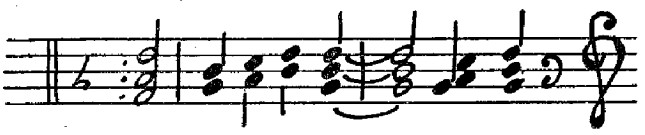
06.00, 07.00, 09.00(W), 11.00(W), 12.00, 14.00(W), 16.00, 18.00, 20.00, 21.00, 22.00, 23.00, 01.00. – **Volksmusik:** Sun. 10.10–11.00, Wed. 21.30–21.40. Thurs.: 16.25–17.00.
Berliner Rundfunk: Sun.: 03.30–24.00. W.: 03.30–07.10; 07.10–09.00 (575 kc/s only), 09.00–24.00 (Sat. 01.00).
N. and Weatherrep.: 03.30(W), 04.00(W), 05.00, 07.00(W), 09.30, 11.30, 12.30, 16.30, 18.30, 20.30, 22.00, 23.30. –
Volksmusic: Sun.: 17.00–17.40, Tues. 18.50–19.15, Sat. 10.25–10.52.
Sorbisch: On 912 kc/s Sun. 10.40–11.30. Tues. Thurs. 17.10–18.00
Radio D.D.R.: Sun. 03.30–24.00. W.: 03.30–24.00 (Sat. 02.00). "Küsten und Ostseefischereibericht" on 728, 656 kc/s: D. 17.15–.
N. and Weatherrep.: 08.00 (Sun.), 09.00(W), 10.00 (Sun.), 11.00(W), 12.00(W), 13.00 (Sun.), 16.00(W), 17.00 (Sun.), 19.00, 21.00, 23.00. –
Volksmusic: Sun. 11.45–12.30. – **Russian by Radio:** Tues., Thurs.: 21.10–21.25.–
FOREIGN SERVICE:
English on 6115 kc/s: W. 21.00, 21.30, 23.30. **French** on 7150 kc/s: W. 21.00, 21.30, 23.00.
ANNOUNCEMENT: Home Service: "Hier ist der Deutschlandsender" (= Berliner Rundfunk – Radio D.D.R.). – **Foreign Service:** "Democratic Germany speaking to you" – "L'Allemagne Democratique vous parle". – **INTERVAL SIGNAL: Deutschlandsender:** From "Die Meistersinger von Nürnberg".:



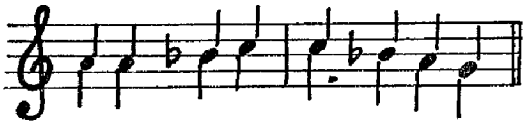
Berliner Rundfunk: From Op. "Regina" of Albert Lortzing:



Radio D.D.R.: Melody: "Wann wir schreiten Seit on Seit" ("Mit uns zieht die neue Zeit").



Foreign Service: Motif from Ludwig van Beethoven 9. symphony ("Freude, schöner Götterfunken"):



VERIFICATION by QSL-card. Return postage not required. –
FUTURE PLAN: FM-stations.
PUBLICATION: Weekly "Unser Rundfunk"

GREAT BRITAIN

THE BRITISH BROADCASTING CORPORATION

Weekly Publications: "Radio Times", "The Listener", "London Calling", "Ici Londres", "Hier spricht London", „London calling Europe".
ADDRESS: The British Broadcasting Corporation, Broadcasting House, Portland Place, London W 1.
LEADING PERSONALITIES: Dir.-Gen.: Sir Ian Jacob, K.B.E., C.B. Chief Ass. to Dir.-Gen.: H.J. G. Grisewood. Dir. of Adm.: Air Chief Marshal Sir Norman Bottomley, K.C.B., C.I.E., D.S.O., A.F.C. Dir. of Television Broadc.: Sir George Barnes. Ass. Dir. of Television Broadc.: R. C. McCall, C.M.G. Dir. of External Broadc.: J. Beresford Clark, C.B.E. Ass Dir. of External Broadc.: E. Tangye Lean, C.B.E. Dir. of Techn. Services: Sir Harold Bishop, C.B.E. Dir. of Sound Broadc. R. E. L. Wellington, C.B.E. Contr. Home Service: Andrew Stewart, C.B.E. Contr. Light Prgr.: H. Rooney Pelletier. Contr. Third Prgr.: John Morris. Contr. Prgr. Television: Cecil McGivern, C.B.E. Contr. Overseas Services: H. Carleton Greene, O.B.E. Contr. European Services: James Monahan. Contr. Entertainment (Sound): M. F. C. Standing. Contr. Music: R. J. F. Howgill, C.B.E. Editor, News: Tahu Hole. Contr. Talks (Sound): Miss Mary Somerville, O.B.E. Chief Engineer: R. T. B. Wynn, C.B.E. Contr. Finance: T. Lochhead, C.B.E. Contr. Staff Adm.: J. H. Arkell. Contr. Scotland: M. Dinwiddie, C.B.E., D.S.O., M.C. Contr. Wales: A. B. Oldfield-Davies, C. B.E. Contr. N. Ireland: R. D 'A. Marriott, D.F.C. Contr. W. Region: G. C. Beadle, C.B.E. Contr. Midland Region: H. J. Dunkerley, C.B.E. Contr. N. Region: D. Stephenson, O.B.E.

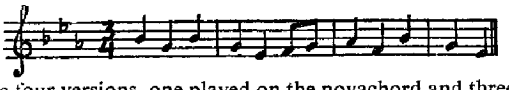
HOME SERVICES: W.: 06.25–23.13 approx. Sun. 07.55–23.08 appro

		kc/s	m	kW
Cromer	Northern	692	434	2
Moorside Edge	–	692	434	150
Whitehaven	–	692	434	2
Barrow	Northern	1484	202	2
Westerglen	Scottish	809	371	100
Burghead	–	–	–	100
Redmoss	–	–	–	5
Dumfries	–	–	–	2
Washford	Welsh	881	341	100
Penmon	–	–	–	8
Towyn	–	–	–	5
Wrexham	–	–	–	0.25
Brookmans Park	London	908	330	140
Ramsgate	–	1484	202	2
Start Point	West	1052	285	120
Barnstaple	–	–	–	2
Clevedon	–	1457	206	20
Bartley	–	–	–	10
Brighton	–	–	–	2
Folkestone	–	–	–	1
Bexhill	–	–	–	2
Redruth	–	1457	206	2
Droitwich	Midland	1088	276	150
Norwich	–	–	–	7.5
Lisnagarvey	N. Ireland	1151	261	100
Londonderry	or Northern	–	–	0.25
Stagshaw	–	–	–	100
Scarborough	–	–	–	2

News: D.: 07.00(W.), 08.00, 13.00, 18.00, 21.00, 23.00.
Greenwich Time-Signals: 07.00(W.), 08.00, 11.00(W.), 13.00, 18.00, 23.00.
Interval-Signal: Bow Bells.
LIGHT PROGRAMME: W. 09.00–24.00. Sun. 08.00–24.00.

	kc/s	m	kW		kc/s	m	kW
Droitwich	200	1500	400	Moorside Edge	1214	247	58
Brookmans Park	1214	247	60	Plymouth	–	–	0.3
Burghead	–	–	20	Redmoss	–	–	2
Lisnagarvey	–	–	10	Redruth	–	–	2
Londonderry	–	–	0.25	Newcastle	–	–	2
				Westerglen	–	–	50

News: D.: 09.00, 19.00, 22.00, 23.56. **Greenwich Time-Signals:** W.: 10.00, 11.00 (Sat. only), 14.00 (not Sat.), 15.00 (exc. Sat.), 19.00, 22.00. Sun.: 09.00, 19.00, 22.00.
Interval-Signal: 1) Oranges and Lemons.



There are four versions, one played on the novachord and three played on the novachord celeste; the last three differ in that they are of varying duration.
2) Harp arpeggio – a choice of six harp interludes.
THIRD PROGRAMME: D. 18.00 between 23.20–24.00.

	kc/s	m	kW		kc/s	m	kW
Daventry	647	464	150	Dundee	1546	194	0.25
Edinburgh	–	–	2	Exeter	–	–	0.25
Glasgow	–	–	2	Fareham	–	–	1
Newcastle	–	–	2	Leeds	–	–	1
Redmoss	–	–	2	Liverpool	–	–	1
Belfast	1546	194	0.25	Preston	–	–	1
Bournemouth	–	–	0.25	Plymouth	–	–	1
Brighton	–	–	1	Redruth	–	–	1
				Stockton	–	–	0.25/1
				Swansea	–	–	1

ADV.
"RADIO-AFRICA-GIBRALTAR"
(Commercial)
ADDRESS: 9, rue de Russie, Tanger. – **Cable:** Rafrica Tanger.
LEADING PERSONALITIES: Dep. Adm.: J. D. de Bournet. Programmes: A. Domper. Chief Eng.: B. Settinger. Listeners Service: Mrs. Ramis.
SERVICE: Daily 16.00–16.45 in **English and Spanish:** 683 kc/s 439.2 m 1.25 kW.
ANNOUNCEMENTS: English: "This is Radio-Africa-Gibraltar". – **Spanish:** "Aqui Radio-Africa-Gibraltar".
INTERVAL-SIGNAL: Ship Siren.
VERIFICATION by QSL-card.

VHF/FM Sound Broadcasting Plans:

Ten stations are to be built in the first stage of the VHF/FM Sound Broadcasting scheme, eight in England, one in Scotland and one in Northern Ireland, together with a low power temporary Home Service station to serve a populous area of North Wales. At each permanent station six transmitters will be installed, two in parallel for each of the three programmes (Home Service, Light Programme and Third Programme) to be radiated. The first to be brought into service is at Wrotham, Kent, where two experimental transmitters were in use since 1950 until the regular three programme service started on 2nd May 1955. Pontop Pike and Divis will be the second and third to go into operation, and the other stations will be completed by the end of 1956. Details of frequencies ot be used and the powers of the projected transmitters will be as follows: –

FM	Home Sce.	Light Prgr.	Third Prgr.	kW E.R.P.
Wrotham (Kent)	93.5	89.1	91.3	120
Pontop Pike (Newcastle)	92.9	88.5	90.7	60
Divis (Belfast, N. Ireland)	94.5	90.1	92.3	60
No. Hessary Tor (So. Devon)	92.5	88.1	90.3	60
Meldrum (Aberdeenshire)	93.1	88.7	90.9	60
Holme Moss (No. of England)	93.7	89.3	91.5	120
Sutton Coldfield (Birmingham)	92.7	88.3	90.5	120
Norwich (Norfolk)	94.1	89.7	91.9	120
Blaen Plwy (We. Wales)	93.1	88.7	90.9	60
Wenvoe (So. Wales)	94.3*	89.9*	92.1*	120

* Frequencies subject to confirmation.

FOREIGN SERVICE

Call	kc/s	m	Call	kc/s	m	Call	kc/s	m
MCM	3952.5	75.90	GWX	9570	31.35	GWC	15070	19.91
GRC	3975	75.47	GSC	9580	31.32	GWG	15110	19.85
MCP	5975	50.21	GRY	9600	31.25	GSF	15140	19.82
MCU	5990	50.08	GWO	9625	31.17	GSO	15180	19.76
GRB	6010	49.92	GVZ	9640	31.12	GWU	15210	19.72
GWS	6035	49.71	GWP	9660	31.06	GWD	15230	19.70
GSY	6040	49.67	GWT	9675	31.01	GSI	15260	19.66
GSA	6050	49.59	GRX	9690	30.96	GWR	15300	19.61
GSX	6060	49.50	GWY	9700	30.93	GSP	15310	19.60
GRR	6070	49.42		9725	30.82		15360	19.53
MCV	6080	49.34	GWF	9735	30.82		15375	19.51
GMW	6090	49.26	MCR	9760	30.74		15420	19.46
GSL	6110	49.10	MCN	9770	30.71	GWE	15435	19.44
GWA	6125	48.98	GRH	9825	30.53	GRD	15447.5	19.42
MCW	6140	48.86	GRU	9915	30.26	GVP	17700	16.95
GRW	6150	48.78	GRG	11680	25.68	GRA	17715	16.93
GWK	6165	48.66	GVW	11700	25.64	GVQ	17730	16.92
GSZ	6170	48.62	GVV	11730	25.58	GRQ	17740	16.91
GRO	6180	48.54	GSD	11750	25.53	GSG	17790	16.86
GRN	6195	48.43	GVU	11770	25.49	GSV	17810	16.84
MCS	7110	42.19		11780	25.47		17860	16.80
GRM	7120	42.13	GWV	11790	25.45	GRP	17870	16.79
GRS	7135	42.05	GWH	11800	25.42	GVO	17890	16.77
GRT	7150	41.96	GSN	11820	25.38	GSH	21470	13.97
GRK	7185	41.75	GWQ	11840	25.34	GSJ	21530	13.93
GWZ	7200	41.67	GSE	11860	25.30	GST	21550	13.92
GWL	7210	41.61	GRE	11880	25.25	GVT	21630	13.87
	7220	41.55	GWW	11890	25.23	GRZ	21640	13.86
GSW	7230	41.49	MCO	11910	25.19	MCX	21660	13.85
GWI	7250	41.38	GVX	11930	25.15	GVR	21675	13.84
GSU	7260	41.32	MCQ	11945	25.12	GVS	21710	13.82
GWN	7280	41.21	GVY	11955	25.09	MCY	21740	13.80
GRJ	7325	40.96	MCT	11960	25.08	GSR	25720	11.66
GRI	9410	31.88		11970	25.06	GSQ	25750	11.65
GSB	9510	31.55	GRV	12040	24.92	GSS	25840	11.61
GWJ	9525	31.50	GRF	12095	24.80	GSK	26080	11.50
GWB	9550	31.41						

EUROPEAN SERVICES:

STATIONS: Long and Medium Waves:

200 kc/s	1500 m	1295 kc/s	232 m
647 –	464 –	1340 –	224 –

The two columns below show the wavebands, which the BBC expects to use during the months from April to September and October to March. There will, however, be changes of both wavelengths and wavebands – sometimes of short notice – and listeners are advised to listen to announcements which will cover all such changes. Detailed wavelengths information can be obtained from the progr. journals.

	Oct.–March m.b.	Apr.–Sept. m.b.
Albanian		
17.30–17.45 N.	25, 31	19, 25, 31
19.30–19.45 N.	31, 41	19, 25, 31
Austrian		
17.45–18.15 Prgr.	31, 41	25, 31
Bulgarian		
04.30–04.45 N.	31, 41, 49*	25, 31, 41*
11.00–11.15	13, 16, 19*	16, 19, 25*
15.15–15.30	19, 25, 31*	16, 19, 25
16.15–16.30	19, 25, 31*	16, 19, 25*
20.30–21.00 Prgr.	25, 31, 41*	19, 25, 31*
Czech		
05.15–05.30 N.	232, 1500, 41, 49, 75*	232, 25, 31, 41*
11.15–11.45 (CBC relay Sun.)	19, 25, 31*	16, 19, 25*
13.45–14.00	19, 25, 31*	19, 25, 31*
15.30–15.45	19, 25, 31*	19, 25, 31*
20.00–20.30	41, 49, 75*	25, 31, 41*
22.00–22.30 (CBC relay Sat.)	232, 49, 75	232, 49
Slovak		
11.45–12.00	19, 25, 31*	16, 19, 25*
17.00–17.15	25, 31, 41*	19, 25, 31*
Danish		
17.00–17.30 N. & Prgr.	232, 41, 49	232, 31, 41
Dutch		
07.00–07.15 E. by R. (Sun. Mo.)	464, 49, 75	464, 49
16.45–17.15 N. & Prgr.	224, 49	224, 49
English		
05.00–05.15 E. by R.	31, 41, 49	31, 41, 49
06.00–06.30 N., Prgr.	464, 25, 31, 41, 49, 75	464, 19, 25, 31, 41, 49
06.45–07.00 E. by R.	464, 232, 25, 31, 41, 49, 75 87.6 mc/s**	464, 232, 19, 25, 31, 41, 49, 87.6 mc/s**
07.00–07.30 N., Prgr.	464, 232, 25, 31, 41, 49, 75, 87.6 mc/s**	464, 232, 19, 25, 31, 41, 49, 87.6 mc/s**
10.15–10.30 Rel. Serv. W. only	41, 31	41, 31
12.15–12.30 E. by R.		
12.30–12.45 E. by R. Dictat	19, 25, 31, 41	19, 25, 31, 41
12.45–13.00 N. (Dictat)		
16.15–16.45 A.C.E.	464 (not Sun.) 224, 31, 41, 49	464, 224, 25, 31, 41
16.30–16.45 E. by R.	232, 31, 41, 87.6 mc/s**	232, 25, 31, 41, 87.6 mc/s**
17.15–17.30 E. by R.	224, 25, 31, 41, 49, 75	224, 19, 25, 31, 41, 49
17.30–18.15 N., Prgr.	224, 25, 31, 41, 49, 75	224, 19, 25, 31, 41, 49
18.15–18.30 Press Rev.	224, 25, 31, 41, 49, 75	224, 19, 25, 31, 41, 49
21.15–21.30 E. by R.	232, 224, 49, 75, 87.6 mc/s*	232, 224, 41, 49, 75, 87.6 mc/s**
21.45–22.00 N.	232, 49, 75, 87.6 mc/s**	232, 224, 41, 49, 75, 87.6 mc/s**
Finnish		
14.45–15.00 N.	16, 19, 25, 31*	16, 19, 25, 31*
16.00–16.30 N., Prgr.	25, 31, 41	19, 25, 31
16.45–17.00 E. by R. (Mo. Thurs. Sat.)	232, 25, 31, 41	19, 25, 31
19.00–19.15 N.	31, 41, 49	25, 31, 41
French		
06.30–06.45 N.	464, 41, 49, 75	464, 31, 41, 49
11.30–11.45 N.	464, 25, 31, 41	464, 25, 31, 41
18.30–20.00 N., Press Review, Prgr.	224, 31, 41, 49	224, 31, 41, 49
20.00–21.00 N., Prgr., E. by R.	224, 41, 49, 75	224, 31, 41, 49
German		
04.40–05.15 N., E. Zone Prgr. Sun.: Religious Prgr.	1500, 232, 49, 75, 87.6 mc/s**	1500, 232, 41, 49, 75, 87.6 mc/s**
06.00–06.45 N. and E. Zone Prgr.	1500, 232, 41, 49, 75, 87.6 mc/s**	1500, 232, 41, 31, 25, 87.6 mc/s**
15.45–16.00 Religious Service (Sun. only)	232, 41, 31, 25, 87.6 mc/s**	232, 41, 31, 25, 87.6 mc/s**
16.00–16.15 N. Press Review		

		Oct.–March m. b.	April–Sept. m. b.
18.00–18.15	"Hier Spricht Kanada" (Sun., Tues., Thurs., Sat.)	232, 41, 49, 87.6 mc/s**	232, 31, 41, 87.6 mc/s**
18.15–18.30	"Lernt Englisch"	232, 41, 49, 87.6 mc/s**	232, 31, 41, 87.6 mc/s**
19.00–21.15	N., Prgr.	232, 49, 75, 87.6 mc/s**	232, 41, 49, 87.6 mc/s**
Greek			
05.00–05.15	N.	31, 41	25, 31, 41
12.45–13.00	N.	13, 16, 19	13, 16, 19
18.30–19.00	Prgr.	25, 31, 41	19, 25, 31
Hungarian			
04.45–05.00	N.	31, 41, 49*, 224	25, 31, 41*
05.45–06.00	N.	232, 31, 41, 49*	19, 25, 31, 41*
12.00–12.15	N.	16, 19, 25, 31*	13, 16, 19, 25*
13.00–13.15	Prgr.	16, 19, 25, 31*	13, 16, 19, 25*
16.45–17.00	Prgr.	25, 31, 41*	19, 25, 31*
19.30–20.00	Prgr.	31, 41, 49*	19, 25, 31*
Italian			
06.30–06.45	N.		
06.45–07.00	E. by R. (Mo., Thurs.)	31, 41, 49	25, 31, 41
12.15–12.30	E. by R. (Tues., Fri.)	19, 25, 31	19, 25, 31
12.30–12.45	N., Press Review		
18.30–19.00	Prgr.	25, 31, 41	25, 31, 41
21.00–21.45	N. Prgr.	41, 49, 75	31, 41
Norwegian			
16.45–17.00	E. by R. (Sun., Tues. Wed., Fri.)	232, 41, 49	232, 25, 31, 41
17.30–18.00	N. Prgr.	232, 41, 49	232, 31, 41
Polish			
05.30–05.45	N.	232, 464, 31, 41, 49, 75*	19, 25, 31, 41*
07.30–07.45		25, 31, 41*	19, 25, 31*
14.00–14.15	N.	19, 25, 31*	19, 25, 31*
16.15–16.45	A.C.E.	25, 31, 41	19, 25, 31
18.30–19.00	Prgr.	25, 31, 41	19, 25, 31
21.00–21.15		31, 41, 49*	25, 31, 41*
22.00–22.30	Prgr.	224, 232 (not Sat.), 41, 49, 75*	224, 232 (not Sat.), 31, 41, 49*
Portuguese			
19.30–20.00	N. Prgr.	25, 31	19, 25
Rumanian			
04.15–04.30	N.	31, 41, 49*	25, 31, 41*
10.45–11.00		13, 16, 19, 25*	13, 16, 19*
15.00–15.15		19, 25, 31*	13, 16, 19, 25*
16.00–16.15		19, 25, 31*	16, 19, 25*
19.00–19.30	N. Prgr.	25, 31, 41*	16, 19, 25, 31*
21.45–22.00	N.	31, 41, 49*	25, 31*
Russian			
00.15–00.30	N. Prgr.	1500, 464, 232, 224, 41, 49, 75*	1500, 464, 232, 224, 31, 41, 49*
03.15–03.45	N. Prgr.	464, 224, 25, 31, 41, 49, 75*	224, 19, 25, 31, 41*
14.15–14.45	N. Prgr.	19, 25, 31, 41*	16, 19, 25, 31*
21.15–21.45	N. Prgr.	25, 31, 41, 49*	19, 25, 31, 41*
23.15–23.30	N. Prgr.	232, 224, 41, 49, 75*	1500, 464, 232, 224, 31, 41, 49*
Spanish			
13.00–13.15	E. by R. (Mo., Tues., Thur., Fri.)	19, 25, 31	19, 25, 31
13.15–13.30	N.	19, 25, 31	19, 25, 31
20.00–20.45	N. Prgr.	31, 41, 49	25, 31, 41
21.30–22.00	N. Prgr. (wi. only)	224	–
Swedish			
18.30–19.00	N. Prgr.	232, 41, 49	232, 31, 41
Turkish			
05.00–05.15	N.	31, 41	25, 31
16.30–16.45		19, 25, 31	16, 19, 25
19.00–19.30		25, 31, 41	19, 25, 31
Yugoslav			
13.15–13.45	Slovene (Sun. only)	19, 25	19, 25
15.45–16.00	Prgr. (Sun. only)	25, 31	19, 25

* Additional wavelengths may be used. ** FM for Greater Berlin.

		Oct.–March m. b.	April–Sept. m. b.
16.15–16.30	E. by R. (Mo., Wed.)	25, 31	25, 31
16.30–16.45	N.	25, 31	25, 31
18.15–18.30	Slovene	25, 31, 41	25, 31
19.45–20.30	N. Prgr.	31, 41	25, 31
22.00–22.15	N.	41, 49	31, 41

GREENWICH TIME-SIGNALS at the hour are radiated on one or other of the European Programmes on the long, medium or short waves normally scheduled at 05.00, 06.00, 07.00, 11.00, 12.00, 13.00, 14.00, 15.00, 16.00, 17.00, 19,00, 20.00, 21.00, 22.00, **Big-Ben:** 19.00 and 20.00.

ANNOUNCEMENTS: "This is London calling in the European Service of the B.B.C.". In French: "Ici Londres". In German: "Hier ist England". In Dutch: "Hier is London". In Italian: "La Voce di Londra".

INTERVAL-SIGNAL for European Service: Morse Signal "V" (V for Victory) played on Timpani (i.e.....–).

GENERAL OVERSEAS SERVICE:

The General Overseas Service, which operates 21 hours a day 04.30–08.00, 09.30–03.00 and can be heard at suitable listening times all over the world, is addressed to English-speaking listeners, wherever they may be. **All programmes are in English.** The times at which the General Overseas Service is available in various parts of the world and the appropriate wavebands are: (all times are subject to alterations):

	Oct.–March m. b.	April–Sept. m. b.
Australia		
06.00–08.00	41, 31, 25, 19	41, 31, 25
09.30–11.15	25, 19, 16, 13	25, 19, 16
20.00–22.15	41, 31, 25, 19	19, 25, 31, 41
N. Zealand		
06.00–08.00	41, 31, 25	41, 31, 25
09.30–11.15	31, 25, 19, 16	31, 25, 19
20.00–22.15	41, 31, 25, 19	41, 31, 25, 19
Japan, N. China, NW Pacific		
09.30–14.15	41, 31, 25, 19	31, 25, 19
S.E.Asia, India, Pakistan, Ceylon:		
02.00–02.15	49, 41, 31	41, 31, 25
09.30–15.15	25, 19, 16, 13	25, 19, 16, 13
15.15–18.15	41, 31, 25, 19, 16	31, 25, 19, 16
E.Africa, Egypt, Sudan, Israel, Jordan, Turkey, Lebanon:		
04.30–06.15	31, 25, 41	41, 31, 25, 19, 16
10.30–16.15	19, 16, 13	19, 16, 13
16.15–21.00	41, 31, 25, 19, 16	31, 25, 19, 16, 13
Iraq, Persia:		
04.30–06.15	31, 25	25, 19
14.15–20.15	41, 31, 19, 25	25, 19, 16
Malta, Greece, Italy, C.Mediterranean:		
04.30–07.15	41, 31, 25, 19	41, 31, 25, 19, 16
10.30–18.15	31, 25, 19, 16, 13	25, 19, 16, 13
18.15–21.00	41, 31	41, 31, 25, 19
C. and S. Africa:		
04.30–08.00	41, 31, 25, 19, 16	41, 31, 25, 19, 16, 13
10.30–18.15	25, 19, 16, 13	25, 19, 16, 13
18.15–21.00	41, 31, 25, 19	31, 25, 19
21.00–22.45	41, 31, 25	41, 31, 25
N. Africa:		
04.30–07.15	49, 41, 31, 25	41, 31, 25, 19, 16
16.00–21.00	41, 31, 25, 19	31, 25, 19, 16
21.00–22.45	49, 41, 31	41, 31, 25
W. Africa:		
04.30–08.00	41, 31' 25, 19, 16	41, 31, 25, 19, 16, 13
09.30–18.15	25, 19, 16, 13	25, 19, 16, 13
18.15–20.15	41, 31, 25, 19	25, 19, 16
21.00–22.45	41, 31, 25	41, 31, 25
Gibraltar, W. Mediterranean:		
04.30–07.15	49, 41, 31	41, 25, 31, 19
10.30–18.30	31, 25, 19	25, 19, 16
18.30–22.45	49, 41, 31, 25	41, 31, 25, 19
Canada, U.S.A., Mexico:		
22.15–03.00	49, 31, 25	49, 31, 25, 19
04.30–06.15	49	49, 31

W. Indies, C. America, S. America (N. of Amazon):

20.00–23.15	49, 31, 25, 19	31, 25, 19, 16
23.45–03.00	49, 31, 25, 19	49, 31, 25, 19

S. America:

20.00–23.15	49, 31, 25, 19	31, 25, 19, 16
23.15–03.00	49, 31, 25, 19	49, 31, 25

N.: 02.00, 04.30, 04.55, 06.00, 07.00, 11.00, 13.00, 16.00 (Sun.–Fri.), 17.00 (Sat.), 18.00, 20.00, 23.00.

Home News from Britain: 07.10, 13.10, 18.10, 23.10. – **Radio Newsreel:** 00.15, 06.15, 14.00, 17.15. – **From the Editorials:** 02.10, 04.45, 09.30. –

Greenwich Time-Signals: 00.00, 02.00, 05.00, 06.00, 07.00, 08.00, 09.00, 11.00, 12.00, 13.00, 14.00, 15.00, 16.00, 17.00 (Mo.–Fri.), 18.00, 20.00 21.00, 23.00. **Big Ben:** 00.00, 01.00, 02.00, 04.00, 05.00, 07.00, 14.00 18.00, 23.00. – The Greenwich Time Signals and Big Ben (Full Strike) really apply to all the Overseas Services.

ANNOUNCEMENTS: "This is the General Overseas Service of the B.B.C....".

INTERVAL-SIGNAL: Bow Bells.

SPECIAL SERVICES:

PACIFIC SERVICE: (Australia, N. Zealand)	Oct.-March m.b.	April-Sept. m.b.
08.00–08.45	41, 31, 25	
06.00–07.00		41, 31, 25
Special Programmes in English		

FAR EASTERN SERVICE:

China and Japan		
09.00–09.30	25, 19	25, 19
(relayed by BFEBS)	(25, 19, 16)	(25, 19, 16)
11.00–11.30	25, 19	25, 19
(relayed by BFEBS)	(25, 19)	(25, 19)
12.00–12.45	25	25, 19
(relayed by BFEBS)	(31, 25, 19, 16)	(31, 25, 19, 16)
South East Asia		
09.00–09.30	19, 16, 13	19, 16, 13
(relayed by BFEBS)	(41, 31, 25, 19, 16)	(41, 31, 25, 19, 16)
10.30–13.45	19, 16, 13	19, 16, 13
(relayed by BFEBS)	(41, 31, 25, 19, 16)	(41, 31, 25, 19, 16)
14.15–14.30	19, 16	19, 16
(relayed by BFEBS)	(25, 19)	(25, 19)

09.00 Japanese, 09.15–09.30 English, 10.30 Indonesian, 11.00 Japanese, 11.30 Vietnamese, 12.00 Kuoyu, 12.30 Cantonese, 12.45 Malay, 13.00 English, 13.15–13.45 Thai, 14.15–14.30 Burmese.

BRITISH FAR EASTERN BROADCASTING SERVICE (Government)

ADDRESS: Thomson Road Studios. P.O. Box 434, Singapore, Malaya. Cable: Febrocast.

LEADING PERSONALITY: Head of Service: C. P. Albany.

STATIONS: Singapore.

kc/s	m	kc/s	m	kc/s	m	kc/s	m
6110	49.10	9690	30.96	11930	25.15	15435	19.44
6175	48.58	9725	30.85	11955	25.09	17755	16.90
7120	42.13	11700	25.64	15300	19.61	17790	16.86
7260	41.32	11780	25.47	15310	19.60	17870	16.79
9560	31.38	11820	25.38	15350	19.53	17890	16.77
9625	31.17	11880	25.25	15420	19.46	21640	13.86
						21720	13.81

Progr. A. Sce in English:	H. of transm.:	All the year round m.b.
To N. and E. China,	09.15–13.15	16, 19, 25
Hong-Kong, Korea, Japan:	13.15–14.00	19, 25
To S. China, Vietnam	09.15–09.30	16, 19, 25
Laos, Cambodia:	09.30–13.15	16, 19, 25
	14.00–16.50	25, 31, 41
	13.15–14.00	19, 31, 25, 41
To Indonesia:	09.15–10.30	31, 41
	11.00–11.15	
To Burma, Thailand:	13.00–13.15	25, 31, 41
	13.15–14.00	41, 31
	13.45–16.50	25, 31, 41
To India, Pakistan, Ceylon:	13.00–13.15	16, 19, 25
	14.15–16.50	
	13.15–14.00	19, 16

Progr. B.	Language:		
To Japan:	Japanese	09.00–09.15	16, 19, 25
To N. and E. China,	Japanese	11.00–11.30	25, 19
Hong-Kong, Korea, Japan	Kuoyu	12.00–12.30	16, 19, 25, 31
	Cantonese	12.30–12.45	16, 19, 25, 31
To S. China, Vietnam, Laos, Cambodia:	Vietnamese	11.30–11.45	16, 19, 25, 31
	French	11.45–12.00	
	Kuoyu	12.00–12.30	
	Cantonese	12.30–12.45	
To Indonesia:	Indonesian	10.30–11.00	31, 41
To Burma, Thailand:	Burmese	14.15–14.30	25, 19
	Thai	13.15–13.45	25, 41
To India, Pakistan, Ceylon:	Hindi	14.00–14.45 a)	19, 16
	Tamil	14.15–14.45 b)	
	Bengali	14.15–14.45 c)	
	Urdu	14.45–15.30 d)	
	Bengali	14.45–15.15 e)	

a) exc. Thurs. & Sat. only until 14.15. b) Thurs. only. c) Sat. only. d) Wed. only 15.15–15.30. e) Wed only.

ANNOUNCEMENT: »This is the BFEBS«.

EASTERN SERVICE:

		Oct.-March m.b.	Apr.-Sept. m.b.
1) India, Pakistan,	14.00–15.30	16, 19, 25	19, 16, 13
Ceylon	*)13.45–14.15	16, 19	16, 19
*) Tues. and Wed. only.			
2) Arabia, Egypt, Iraq,	03.45–04.15	31, 41, 49	25, 31, 41
Jordan, Lebanon,	04.45–05.15	25, 31, 41	31, 25, 19
Syria, Sudan	17.00–19.00	19, 25, 31	16, 19, 25
	19.30–20.30	25, 31, 41	25, 31, 19, 16
2) North Africa	04.45–05.15	49	31, 41, 49
	17.00–19.00	31, 41	25, 31
	19.30–20.30	49, 41	25, 31, 49, 41
3) Israel	16.30–17.00	19, 25, 31	13, 16, 19, 25
4) Persia	10.00–10.15	16, 19	16, 19
	15.45–16.30	19, 25, 31	16, 19

1) Sinhalese (Tues.)	13.45–14.15*)	2) Progr. in Arabic. News
Marathi (Wed.)	13.45–14.15	04.00, 05.00, 18.00.
Hindi	14.00–14.15*)	3) News in Hebrew: 16.30.
Hindi (exc. Thurs., Sat.)	14.15–14.45*)	4) News in Persian: 10.00
Tamil (Thurs.)	14.15–14.45*)	16.15.
West Bengali (Sat.)	14.15–14.45*)	
Urdu (exc. Wed.)	14.45–15.15*)	
Urdu	15.15–15.30*)	
East Bengali (Wed.)	14.45–15.15*)	

*) Relayed by B.F.E.B.S., Singapore: 13.15–14.00 "London calling Asia" in English.

	Oct.-March m.b.	Apr.-Sept. m.b.
SERVICE TO E. AFRICA		
16.45–17.00 English (Thurs. only)	16, 19	16, 19
18.15–18.30 English (Sun. and Fri. only)	25, 19, 31	16, 19, 25
SERVICE TO MAURITIUS:		
17.15–17.30 French and English (2. Mo. of the month)	25, 19	16, 19
SERVICE TO W. AFRICA:		
20.15–21.00 English	41, 31, 25	25, 19
SERVICE TO CENTRAL AND SOUTH AFRICA:		
16.15–16.30 (Sun., Thurs., Fri.) English	16, 19	16, 19
16.30–16.45 (Daily) Afrikaans		
16.45–17.00 (Thurs.) English		
SERVICE TO MALTA:		
17.30–17.45 (exc. Sun., Wed., Fri.) Maltese	25, 31, 41	31, 25, 19
SERVICE TO FALKLAND ISLANDS:		
16.15–16.45 (Sun. only) English	16	16, 19
SERVICE TO W. INDIES:		
23.15–23.45 English	49, 31	31, 25, 19
NORTH AMERICAN SERVICE:		
Canada, U.S.A., Mexico		
15.00–17.15	19, 16	19, 16
18.00–20.45 (Mo. to Fri.)	31, 25, 19	19, 25
20.45–22.15	31, 25, 49	31, 25, 19
English: 15.00–17.15, 18.00–18.15, 18.25–20.45, 20.45–22.15. French: 18.15–18.25.		
LATIN AMERICAN SERVICE:		
Central America		
S. Caribbean Area		
S. America (N. of Amazon)		
Spanish: 01.00–02.30	49, 31, 25	31, 25, 49
Portuguese: 23.00–00.15	49, 31,	31, 25
Mexico		
Spanish: 01.00–02.30	49	49, 31
South America (S. of Amazon)		
Spanish: 23.00–00.30	49, 31, 25	31, 25
Portuguese: 23.00–00.15	49, 31, 25	31, 25

N. in Spanish: 23.00, 00.00, 01.00, 02.00.
N. in Portuguese: 23.00, 00.00.

GREECE

NATIONAL BROADCASTING INSTITUTE (Govt.)

ADDRESS: Ethnikon Idhryma Radhiophonias (NBI), 4 Righilli St., Athens. K. **Cable:** "Radiost Athens".

LEADING PERSONALITIES: Chairman of the Adm. Board General Apokoritis. Dir. Gen.: J. Bettos. Dir. Progr.: D. Romas. Dir. Tec.: B. Aslanides. Coordination and Development: H. Humphreys.

HOME SERVICE:

In Greek unless otherwise stated.
Medium Waves

	kc/s	m	kW			kc/s	m	kW	
AthensI	728	412.0	50	Nat.	Comotini	1403	213.8	5	Reg.
AthensII	665	451.2	15	2 Pr.	Volos	1484	202.2	0.2	Reg.
AthensIII	1421	211.2	0.1	3 Pr.	Patras	1511	198.5	0.3	Reg.
Salonica	1043	287.6	2	Reg.	Chania	1511	198.2	5	Reg.
Rhodes	1394	215.2	5	Reg.					

NATIONAL PROGRAMME: Wi: 05.00–08.00(Sun. 13.30), 10.00–13.30, 15.00–22.00. Su.: 04.30–08.00(Sun. 13.30), 10.00–13.30, 15.00–23.00.
News: 05.30 (W. Su. 05.15), 09.00(W), 11.00, 12.30(W), 18.15(W), 20.15, 21.45(Su. 22.00). – **News in English:** 05.40 (W. Su. 05.25). – **Weatherrep. & Warnings to Shipping in Greek & English:** 13.05–13.10. – **Religious:** Sun. 05.50–08.15 (Orthodox). – **Greek Composers:** Sun. 20.30–21.30. – **"Greek Afternoon":** Sun. 17.30–18.30. – **Progr. Preview:** At opening & closing. – **Time-Signal:** Every hour on the hour.

SECOND PROGRAMME: 05.30–09.15(Sun. 21.30), 11.00–21.30. – **N.:** 18.50(W).

THIRD PROGRAMME: 18.00–23.00 (serious music only).

SALONICA: 05.00–07.30(Sun. 13.30), 10.00–13.30, 15.00–22.15.

RHODES: 05.00–08.00(Sun. 14.00), 10.00–13.30, 15.00–21.00.

COMOTINI: 05.00–08.00(Sun. 13.30), 09.30–13.35, 15.00–21.00.

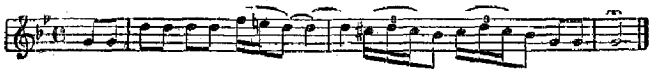
VOLOS: 05.00–07.00(Sun. 08.00), 10.00–13.00, 15.00–22.00.

PATRAS: 06.00–08.00(Sun.), 10.30–12.30, 17.00–22.15.

CHANIA: 05.00–08.00(Sun. 13.30), 10.00–13.30, 15.00–21.00.

ANNOUNCEMENT: "Radhiophonikos Stathmos... (Athinon, Thessalonikis etc.) or "Edho... (Athinae, Thessaloniki etc.) e.g. "Radio Station of..." or "This is...". – National Programme: "Ethnikon Proghramma", Second Programme"Dhef[illegible] Proghramma", Third Programme: "Triton Proghramma".

STATION-SIGNAL: used in all medium-wave stations of N.B.I.: "Tsopanakos imouna"(I used to be a shepherd boy), a folk song played on native flute and sheep bells.



INTERVAL-SIGNAL: "Musical box" played on vibraphon.

FUTURE PLANS: Athens I to be increased to 150 kW during 1956. A 50 kW station at Kerkyra is expected to start regional prgr. soon.

FOREIGN SERVICE

STATIONS: Athens – 7.5 kW.

6177 kc/s	48.56 m	9607 kc/s	31.23 m	15345 kc/s	19.55 m
7142 –	42.01 –	11718 –	25.60 –	17745 –	16.90 –
7300 –	41.10 –	11927 –	25.15 –		

DAILY PROGRAMMES:

	Target area	kc/s[5])	Language	News
07.00–08.15(W.)	Cyprus	9607	Greek	07.15
05.30–08.20(Sun.)	Cyprus	9607	Greek	
09.00–10.00	Egypt	9607	Greek[1])	
10.30–13.00	Cyprus	9607	Greek	11.30
14.15–15.00	Balkan	7142	[2])	
15.30–15.45	USSR	15345	Russian	
16.00–17.00	Cyprus	9607	Greek	16.00[3])
17.15–17.45	Turkey	7142	Turkish	
18.00–18.30	N.W. Europe	15345	French/English	
19.00–20.00	N.W. Europe	11927	Greek	19.00
22.00–22.30	Mediterranean	11927	Greek[4])	22.00
23.00–23.30	Mediterranean	9607	Greek[4])	23.00

[1]) Thurs. 09.40–09.50 Arabic. [2]) 14.15 Yugoslav, 14.30 Rumanian, 14.45 Bulgarian, 15.00 Albanian. [3]) Dictation 16.00–16.15. [4]) Messages to Shipping after the news. [5]) Subject to alterations.

ANNOUNCEMENT: **Greek:** "Edho Radhiophonikos Stathmos Athinon vracheon kymaton". **English:** "This is Radio Athens the voice of Greece". **French:** "Ici Radio Athènes la voix de la Grèce".

STATION-SIGNAL: See Home Service.

VERIFICATION: By QSL-card or letter. Return postage not required.

FORCES BROADCASTING STATIONS

ATHENS (Central)

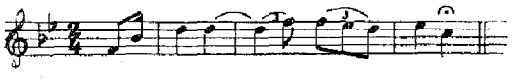
ADDRESS: Forces' Central Radio Station, 3, Zalokostas St., Athens (K).

STATIONS:
1300 kc/s 230.7 m 1 kW 7422 kc/s 40.43 m 1 kW

DAILY PROGRAMMES: 05.00–07.30, 10.00–13.00, 15.30–22.00. News: 12.00, 19.00.

ANNOUNCEMENT: "Edho Athinae; Kendrikos Radhiophonikos Stathmos Enoplon Dhynameon Helladhos" (This is Athens; The Central Radio Station of the Greek Armed Forces).

INTERVAL-SIGNAL: The main motif from the march "Greece never dies" played very slowly on trumpets:



JANNINA: 7090 kc/s 42.31 m 0.3 kW.
Daily Progr.: 05.00–07.00, 10.00–14.30, 15.30–20.00.

KAVALLA: 7508 kc/s 39.96 m 0.5 kW.
Daily Progr.: 05.00–07.00, 10.30–13.00, 17.00–20.00.

KOZANI: 7950 kc/s 37.74 m 0.5 kW.
Daily Progr.: 05.00–06.00, 10.00–12.00, 17.00–21.00.

LARISSA: 6752 kc/s 44.43 m 0.5 kW.
Daily Progr.: 05.00–07.00, 10.00–13.00, 16.30–21.00.

SALONICA: 1006 kc/s 298.2 m 1 kW. 7000 kc/s 42.86 m 0.4 kW.
Daily Progr.: W: 05.00–07.00 (Sun. 08.30) 10.00–12.30, 15.00–21.00.

TRIPOLIS: 6270 kc/s 47.86 m 0.5 kW.
Daily Progr.: 05.30–06.30, 10.00–12.00, 17.00–20.00.

PRIVATE BROADCASTING STATIONS

Chios	6590 kc/s	45.42 m	0.1 kW	17.00–20.30
Heraklion (Candia)	6480 –	46.30 –	0.06 –	17.00–21.00
Karpenission	6525 –	46.00 –	0.3 –	17.00–21.00
Megara	1186 –	253.0 –	0.06 –	05.30–07.00 10.30–12.30
Mytilini	6240 –	48.07 –	0.1 –	17.00–20.30

VOICE OF AMERICA RADIO STATION IN GREECE

ADDRESS: Voice of America, Salonika Relay Base, c/o American Consulate, Salonika, Greece; or, Voice of America, Washington 25, D.C., U.S.A.

STATIONS:
Medium Wave: Salonika-A 791 kc/s 379.2 m 50 kW 10.00–13.30, 15.30–22.15 GMT.
Short Wave: Salonika 35 kW 1415.–22.15 GMT.

kc/s	m	kc/s	m	kc/s	m	kc/s	m
6040	49.67	7180	41.78	9520	31.51	11895	25.22
6135	48.90	7265	41.29	9685	30.98	15315	19.59

DAILY PROGRAMMES: Medium Wave.

08.15–10.00 Greek (R. Athens)	18.30–18.45 Bulgarian
(Sun. only)	18.45–19.00 Albanian
10.00–13.30 Greek (R. Athens)	19.00–19.30 Hungarian
15.30–17.00 Greek (R. Athens)	19.30–20.00 Bulgarian
17.00–17.15 Music	20.00–20.30 Rumanian
17.15–17.30 Greek	20.30–20.45 Greek
17.30–18.00 Bulgarian	20.45–21.15 Hungarian
18.00–18.30 English	21.15–22.15 Greek (R. Athens)

Short Wave. See U.S.A.

ANNOUNCEMENT: "This is the Voice of America Radio Station in Salonika".

VERIFICATION: By QSL-card. No return postage required.

VOICE OF AMERICA SEABORNE RADIO STATION DODECANESE ISLANDS

Seaborne Radio Station aboard U.S.C.G.C. "COURIER", currently located at the Island of Rhodes.

ADDRESS: Voice of America, Courier Relay Base, c/o American Embassy, Athens, Greece; or, Voice of America, Washington 25, D.C. U.S.A.

STATIONS:
Medium Wave: Courier-A 1259 kc/s 238.3 m 150 kW 1500.–01.30
Short Wave: Courier 35 kW 14.15–01.30
6185 kc/s 48.50 m 7125 kc/s 42.11 m 9530 kc/s 31.48 m 11760 kc/s 25.51 m 15195 kc/s 19.74 m.

DAILY PROGRAMMES: Medium Wave:

15.00–15.30 English	22.00–22.30 Bulgarian
15.30–17.30 Persian	22.30–23.00 Rumanian
17.30–18.00 Turkish	23.00–23.30 Hungarian
18.00–20.00 Arabic	23.30–23.45 Albanian
20.00–21.00 English	23.45–00.00 Czech
21.00–21.15 Serbo Croat	00.00–00.30 Bulgarian
21.15–21.30 Turkish	00.30–01.00 Russian
21.30–21.45 Georgian	01.00–01.15 Armenian
21.45–22.00 Armenian	01.15–01.30 Georgian

Short Wave. See U.S.A.
ANNOUNCEMENT: "This is the COURIER, sea-borne radio station of the Voice of America".
VERIFICATION: By QSL-card. No return postage required.

GREENLAND

GROENLANDS RADIO (GOVT.).
Ministry of State, Greenland-Dept., Torvegade 1, Copenhagen.

GODTHAAB RADIO

ADDRESS: Grønlands Radiofoni, Godthaab. Cable: Radiopress, Greenland.

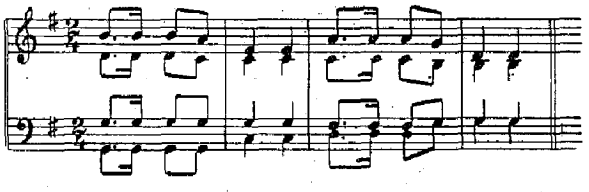
LEADING PERSONALITIES: Chief-Editor: P. R. Brandt. Asst-Editor: U. Kristiansen.

STATIONS: OXI 633 kc/s 475 m 1 kW – 9526 kc/s 31.50 m 1 kW.

DAILY PROGRAMMES: D. 21.00–01.00. Sun. 12.00–13.00, 15.00–16.30, 22.00–01.00. Occasionally religious service Sun. 13.00–14.00 or 19.00–20.00. Progr. consists of **Weather Reports News and Ships Positions in Greenlandic and Danish. Language Lessons, Talks, Outside Broadcasts, Music, Entertainments.**

ANNOUNCEMENT: "Grønlands Radio, Godthaab" in Danish and Greenlandic.

INTERVAL-SIGNAL: Greenlandic Song "Sonja Kaligpok".



ANGMAGSSALIK RADIO

ADDRESS: Angmagssalik Radiostation, Angmagssalik.

STATION: OZL 1500 kc/s 200 m 7570 kc/s 39.63 m 0.5 kW

DAILY PROGRAMMES: W. 14.00–14.50. News, Weather and Ship's Positions in Danish and Greenlandic, Records.

ANNOUNCEMENT in Danish: "Goddag. Her er Angmagssalik med de danske nyheder".

VERIFICATION by letter. Reports should be sent to the resp. stations in Greenland. Return postage is required.

US. ARMED FORCES RADIO STATIONS (Air Force)
KOLD Thule Airport 1425 kc/s 210.5 m 1 kW 11.00–05.00.
ADDRESS: APO 23, c/o PM, New York, N.Y. U.S.A.
VERIFICATION by QSL-card.
WXLS Narsarssuak 850 kc/s 352.9 m 1 kW
WXLC Söndreström 1420 – 211.3 – 0.25 –

HOLLAND

ADDRESS: Stichting Nederlandsche Radio-Unie, The Dutch Radio Union, Postbox 150, Hilversum. Cable: Radiounie.
The Dutch Programmes for Home are provided by the following broadcasting societies:
A.V.R.O.: Algemeene Vereeniging Radio-Omroep. Head-office: Keizersgracht 107, Amsterdam. Studio's: 's Gravelandseweg 52, Hilversum. Chairman: Vacant. Vice-Chairman: Dr. H. Molhuysen. Secretary: H. A. Wassenbergh LL. D. Man. Dir.: D. Repko.
K.R.O.: Katholieke Radio-Omroep, Emmastraat 52, Hilversum. Chairman: Prof. Dr. J. B. Kors O. P. Secretary: L. P. N. A. Bouwman. Treasurer: C. Burger. Man. Dir.: P. A. M. Speet.
N.C.R.V.: Nederlandsche Christelijke Radio Vereeniging, Schuttersweg 8, Hilversum. Chairman: A. B. Roosjen LL. D. Secr.-Treasurer: C. A. Keuning. Member: D. Pereboom. Man. Dir.: A. H. v. d. Veen LL. D.
V.A.R.A.: Vereniging van Arbeiders Radio-Amateurs, Heuvellaan 33–35, Hilversum. Chairman: J. A. W. Burger LL. D. Secr.-Treasurer: J. W. Lebon. Progr. Secr.: J. B. Broeksz. Secretary: J. W. Rengelink.
V.P.R.O.: Vrijzinnig Protestantsche Radio-Omroep, 's Gravelandseweg 65, Hilversum. Chairman: Miss Dr. N. A. Bruining. Secr.-Treasurer: G. J. Ligthart. Second Secretary: Prof. Dr. C. W. Mönnich. Man. Dir.: Dr. E. D. Spelberg.
CENTRAL ADDRESS for programme-publications: Centraal Bureau voor den Omroep in Nederland, Postbox 52, Hilversum.
LEADING PERSONALITIES of De Nederlandsche Radio-Unie: Chairman: Prof. Dr. J. B. Kors O. P. Secretary: J. W. Lebon. Treasurer: Dr. H. Molhuysen. Members: J. B. Broeksz, Miss Dr. N. A. Bruining, D. Repko, A. B. Roosjen, P. A. M. Speet, A. H. v. d. Veen LL. D.
STATIONS: Long and Medium Waves.

	kc/s	m	kW		kc/s	m	kW
Lopik I [1])	746	402	120	Hengelo	1594	188	2.5[3])
Lopik II[2])	1007	298	120	Hulsberg	1594	188	2.5[3])
Hoogezand	1594	188	2.5[3])				

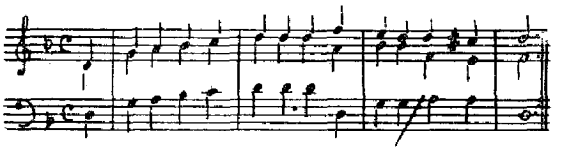
[1]) Hilversum I. – [2]) Hilversum II. – [3]) These regional transmitters give own programmes 17.00–18.00. From 16.00–17.00, 18.00–23.00 they relay the Hilversum II progr.

FM:	mc/s	kW		mc/s	kW		mc/s	kW
Irnsum[2])	88.2	15	Lopik[4])	92.6	50	Hengelo[1])	97.2	3
's-Gravenh.[4])	88.5	1	Winkel[4])	93.0	5	Markelo[3])	97.2	50
Goes[4])	89.0	15	Mierlo[2])	93.5	15	Hulsberg[1])	97.5	2.5
Winkel[4])	89.4	5	Rotterdam[4])	94.5	1	Hulsberg[2])	97.5	5
Goes[4])	90.3	15	Hoogezand[3])	94.9	15	Amsterdam[4])	97.8	1
Rotterdam[4])	90.9	1	Hulsberg[2])	95.1	5	Markelo[3])	98.3	50
Hoogezand[3])	91.8	15	Amsterdam[4])	95.4	1	Mierlo[2])	99.9	15
Hoogezand[1])	91.8	10	Irnsum[2])	96.0	15			
's-Gravenh.[4])	92.1	1	Lopik[4])	96.8	50			

[1]) In service (provisional). [2]) Before 1.1.1956. [3]) Not before 1.1. 1956. [4]) Proposed.

HOME SERVICE:

DAILY PROGRAMMES:
Hilversum I: 06.00–23.00. Hilversum II: 06.00–23.00.
News 1st and 3rd quarter.
Hilversum I: 06.00(W.), 07.00, 12.00, 17.00(W.), 17.15(Sun.), 19.00, 22.00.
Hilversum II: 06.00(W.), 07.00, 08.30(Sun.), 12.00, 18.00(W.), 18.30 (Sun.), 22.00.
News in 2nd and 4th quarter:
Hilversum I: As Hilversum II. Hilversum II: As Hilversum I.
INTERVAL-SIGNAL: A tune from "Valerius Gedenckklanck": "O Nederland, let op u saeck, de tyt en stont is daer".



FOREIGN SERVICE

RADIO NEDERLAND WERELDOMROEP (non comm.)

ADDRESS: Radio Nederland, P.O. Box 137, Hilversum, The Netherlands. Main Office: 's/ Gravelandseweg 76, Hilversum. Cable: "Mundivox".
LEADING PERSONALITIES: Dir. Gen.: H. J. van den Broek. Dir. of Progr.: G. Sluizer. Dir. Administration: C. J. Strop. Head of Central Program Service: J. W. Acda. Head of News Service: Dr. J. W. Niessink. Head of Dutch Service: H. J. P. J. van Eijndhoven. Head of International Service: F. Thors. Producer "Happy Station" Progr.: Edw. Startz. Head of Technical Services: V. J. de Grijs. Head of Transcription Service: J. E.ter Haar.
STATIONS:

	kc/s	m	kW		kc/s	m	kW
Huizen 2	6025	49.79	5	Huizen 3	11950	25.10	5
Lopik 4	6025	49.79	40	Huizen 1	15220	19.71	40
Lopik 4	7210	41.61	40	Lopik 4	15365	19.52	40
Huizen 1	9590	31.28	40	Kootwijk	15425	19.45	15
Huizen 3	9745	30.78	5	Lopik 4	17775	16.88	40
Lopik 4	11730	25.58	40				

DAILY PROGRAMMES

AFRIKAANS:	Oct.-Apr. (kc/s)	May-Sept. (kc/s)
W. 17.30–18.00 S. Af.	6025*, 9590, 11730	6025*, 9590, 11730

N. & Commentary: 17.31–17.43. Prgr. Preview: Sat. 17.58–17.59.
Request Prgr., Mailbag: Sat. 17.43–17.58.

ARABIC:	Oct.-Apr. (kc/s)	May-Sept. (kc/s)
W. 16.30–17.10 ME	6025*, 9590, 11730, 15425	6025*, 11730, 15220, 15425
W. 20.00–20.40 N. Af.	6025, 9590	6025*, 9590, 11730

* for Europe only.
N. & Commentary: 16.32–16.40, 20.02–20.10. – Religious: Thurs. 16.40 –16.47, 20.10–20.17. – Request Progr.: Sat. 16.40–17.08, 20.10–20.38. – Mailbag: Fri.: 16.45–16.55, 20.15–20.25.

DUTCH:		Oct.-Apr. (kc/s)	May-Sept. (kc/s)
W. 09.00–09.45	Au/NZ	6025*), 15220, 15425, 17775	6025*), 15220, 15425, 17775
Sun. 08.30–10.25	In/Af		
W. 10.30–11.55	NG/In		
W. 13.00–15.00**)	In		
Sun. 13.00–15.50	In		
W. 18.00–20.00	Af/Eu	6025*), 9590, 11730	6025*), 9590, 11730, (15365)
Sun. 18.00–21.00	Af/Eu		
W. 22.30–23.00	Ca	6025, 9590	9590, 11730, 15425
W. 23.05–01.30	N.An/Su		
Sun. 23.05–02.00	N.An/Su		
D. 04.00–05.00	Au/NZ		31, 25 m.b.

**) Tues. 13.00–15.20. Fri. & every first and third Thurs. of the month 13.00–15.25.
*) For Europe only.

N. & Commentary: D.: 09.00–09.10, 10.30–10.40, 13.00–13.10, 18.00–18.10, 22.30–22.35, 23.05–23.15. – **Religious:** Sun.: 09.00–10.25, 13,40–14.00, 18.40–19.00, 23.40–24.00. – **Dutch Music: (The Amsterdam Concertgebouw orchestra)** Sun.: 14.00–15.00, 19.00–20.00. Mo. 00.00–01.00 (Announcement in **Dutch/English and Spanish**). – **Request Progr.:** Wed.: 09.17–09.27, 10.47–11.00, 13.17–13.40, 18.17–18.40, 22.42–22.57. Thurs. 00.07–00.27.
Mailbag: Fri. fortnightly (alternating with **United Nations Commentary**) 09.30–09.42. – Thurs.: 11.16–11.28, 13.30–13.42, 18.30–18.42, 22.46–22.58, 23.35–23.47.
Progr. Preview: Sat.: 09.35–09.38, 11.50–11.53, 14.46–14.50, 19.46–19.50. Sun. 00.45–00.50.

ENGLISH:			Oct.-Apr. (kc/s)	May-Sept. (kc/s)
W.	09.45–10.25	Au/NZ	6025*, 15220, 15425, 17775	
W.	15.45–16.25	I/Af	6025*, 9590, 15425, 17775	6025*, 15220, 15425, 17775
W.	21.45–22.25	Eu/N.Am	6025, 9590	9590, 11730 (+19 m.b.)
Not Mo.	02.30–03.10	N.Am	6025, 9590	
Not Mo.	02.30–03.10	N.Am/Au/NZ		6025, 9590

* For Europe only.
N. & Commentary: 09.45–09.53, 15.45–15.53, 21.45–21.53, 02.30–02.38.
Dutch Music: The Netherlands Composers: Wed. 10.00–10.25, 16.00–16.25, 22.00–22.25. – Thurs. 02.45–03.10. **The Amsterdam Concertgebouw Orchestra:** See Dutch programmes.
Request Progr.: Tues.: 10.00–10.20, 16.00–16.20, 22.00–22.20. Wed. 02.45–03.05. – **Mailbag:** (Letterbox): Thurs. fortnightly: 10.08–10.23, 16.08–16.23, 22.08–22.23. Fri. fortnightly: 02.53–03.08. – **Progr. Preview:** Sat.: 10.18–10.24, 16.18–16.24, 22.18–22.24. Sun. 03.03–03.09

INDONESIAN:			Oct.-Apr. (kc/s)	May-Sept. (kc/s)
Daily	12.00–13.00	In	6025*, 15220, 15425, 17775	6025*, 15220, 15425, 17775

* For Europe only.
N. & Commentary: W. 12.02–12.12. Sun. 12.07–12.12. – **Religious:** Sun. 12.02–12.07. – **Dutch Music: (The Amsterdam Concertgebouw Orchestra):** Sun. 12.17–12.45. – **Request Progr.:** Sat. 12.20–12.56. – **Mailbag:** Tues. fortnightly: 12.30–12.40. – **Progr. Preview:** Sat. 12.56–12.58.

SPANISH:			Oct.-Apr. (kc/s)	May-Sept. (kc/s)
W.	20.45–21.25	Sp	6025, 9590	6025, 9590, 11730
Not Mo.	01.45–02.25	S.Am	6025, 9590	9590, 11730, 15425
Not Mo.	03.15–03.55	C.Am	6025, 9590	6025, 9590

N. & Commentary: 20.45–20.53, 01.45–01.53, 03.15–03.25. – **Dutch Music: Netherlands Composers:** Wed. 20.59–21.25. Thurs.: 01.59–02.25, 03.29–03.55. **The Amsterdam Concertgebouw Orchestra:** see Dutch programmes. – **Request Progr.:** Tues. 20.59–21.15. Wed.: 01.59–02.15, 03.29–03.45. – **Mailbag:** Thurs. fortnightly: 21.08–21.25. Fri. fortnightly: 02.08–02.25, 03.38–03.55. – **Progr. Preview:** Sat. 21.18–21.23, 02.18–02.23, 03.48–03.53.

"HAPPY STATION":			Oct.-Apr. (kc/s)	May-Sept. (kc/s)
Sun.	10.30–11.58	FE/Au/NZ	6025*, 15220, 15425, 17775	6025*, 15220, 15425, 17775
Sun.	16.00–17.30	I/ME	6025*, 9590, 11730, 15425	6025*, 11730, 15220, 15425
Sun.	21.30–23.00	Af/S.Am	6025, 9590	6025*, 9590, 11730, 15425
Mo.	02.30–03.55	N.Am	6025, 9590	6025, 9590

* For Europe only.
These programmes, produced and presented by Edward Startz, are of 90 minutes duration, consisting of: Musical entertainment, linked by polygot announcements. They are usually supplemented by features of universal interest. Special programme in Spanish and Portuguese for the Latin countries. "Mailbag" answering listeners' mail by calls to all parts of the globe. From its inception in 1928 – with exc. of the war years – 1956 marks the 28th year of the "Happy Station"s round the world broadcasting.

ANNOUNCEMENT: Dutch: "Hier Radio Nederland in Hilversum". **English:** "This is the International Service of Radio Nederland in Hilversum, Holland". – **Indonesian:** "Disini Hilversum, Siaran Indonesia Radio Nederland". – **Spanish:** "Aqui Radio Nederland de Hilversum, Holanda". – **Arabic:** "Huna Hilversum – al-idha'atu'l hulandiya bi'l-lughati'l-Arabiya-".

GENERAL INTERVAL-SIGNAL: Old Dutch folk-song called: "Merk toch hoe sterck" played on carillon or celesta on all frequencies.

VERIFICATION by letter or QSL-card.

FUTURE PLANS: Three 100 kW and one 50 kW transmitters under construction, of which two 100 kW and one 50 kW probably ready for operation in the course of 1956.

TRANSCRIPTION SERVICE: A free service to foreign stations. Issues complete programmes about Holland both informative and musical.

PROGRAMME BULLETINS in **Dutch, English, Spanish, Afrikaans, Arabic** and **Indonesian** are sent free of charge on application.

HUNGARY

HUNGARIAN BROADCASTING SERVICE (Govt.)

ADDRESS: Magyar Radiohivatal, VIII, Brody Sandor-u 5, Budapest. **Cable:** "Magyar-Radio".

STATIONS:	Medium Waves: kc/s	m	kW	Short Waves: 100 kW. kc/s	m
R. Kossuth	539	556.5	135	6248	48.02
R. Petöfi	872	344.0	135	7220	41.55
Szabadsag	1187	252.7	135		
Nyiregyhaza	1250	240.0	135	9833	30.51
Magyarovar	1340	223.8	51)	11910	25.19
Miskolc	1340	223.8	51)	15500	19.35
Pecs	1340	223.8	51)		

1) Relay and Regional.

HOME SERVICE in Hungarian:
R. Kossuth: 03.30–23.22. N.: W.: 04.00, 05.00, 06.00, 09.00, 11.00, 14.00, 16.00, 19.00, 21.00, 23.00, Sun.: 06.00, 07.00, 11.00, 14.30, 19.00, 21.00, 22.00. – **Weatherrep.:** after the news. – **Mailbag:** Mo. 15.30, Wed. 15.45. Thurs. 10.00, Sat. 14.45. – **"Russian by Radio":** Fri. 15.00–15.20.
R. Petöfi: 06.00–10.30, 13.00–23.00. N.: W.: 15.00, 15.50. Sun.: 19.20. **Mailbag:** Tues. 15.30, Fri.: 18.25. – **"Russian by Radio":** Wed.: 18.40–19.00.

FOREIGN SERVICE:

EUROPEAN SERVICE:

English:	kc/s	18.30–19.00*)	1250
20.00–20.30	6248/7220	20.30–21.00	1187/9833
22.00–22.30	6248/7220	*) for Austria.	
11.00–11.30(Sun.)	9833	**Greek:**	
16.00–16.30(Sun.)	9833	12.30–13.00	1187/9833
Finnish:		17.00–17.30	9833
05.30–06.00	1187	21.00–21.30	6248/7220
15.30–16.00	1187	**Italian:**	
16.30–17.00	6248/9833	17.50–18.20	6248/9833
French:		**Spanish:**	
21.00–21.30	1187/9833	20.30–21.00	6248/7220
German:		22.15–22.45	9833
05.30–06.00*)	1340	**Turkish:**	
12.00–12.30*)	1187/1340	16.30–17.00	6248/9833
15.00–15.30	1187	18.20–18.50	6248/9833
17.40–18.10	1187/1340		

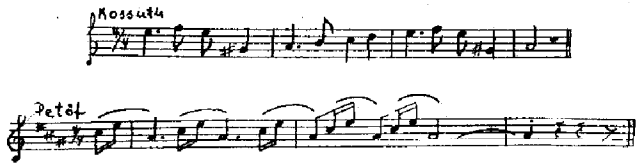
NORTH AMERICAN SERVICE:

English		Hungarian:	
00.30–01.00	6248/7220/9833	01.00–01.30	6248/7220/9833
04.00–04.30	6248/7220/9833	04.30–05.00	6248/7220/9833

Note: During Summer-Service (May–September) 11910 kc/s will replace 6248 kc/s.

ANNOUNCEMENTS: English: "This is Budapest short wave radio broadcasting station. The Hungarian People's Republic speaks to you."

INTERVAL-SIGNAL:



VERIFICATION by QSL-card or letter.
PUBLICATION: "Sound and Picture", weekly.

ICELAND

ICELAND STATE BROADCAST SERVICE (Govt.)

ADDRESS: Rikisutvarpid, Box 1026, Reykjavik. Cable: "Utvarp".

LEADING PERSONALITIES: Director General: Vilhjalmur Th. Gislason. Director of Programmes: H. Hjørvar.

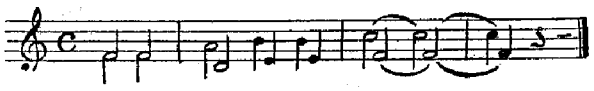
HOME SERVICE:

Reykjavik	TFU	182 kc/s	1648 m	100 kW
Eidar	TFE	611 –	491 –	5 –
Hoefn		665 –	451.2 –	1 – *)
Akureyri		737 –	407.1 –	5 – *)
Reykjavik	TFJ	12175 –	24.64 –	7 – *)

*) Relay TFU.
09.30–10.00, 13.10–14.15, 16.30–17.30, 19.30–24.00.
News: 09.30, 13.25, 16.55, 19.00, 21.00.
On short wave to Icelanders in Scandinavia Sun. 16.15–16.30.

ANNOUNCEMENT: "Ut varp, Reykjavik".

INTERVAL-SIGNAL: Opening Signal for short wave transm.



VERIFICATION by QSL-card. Return postage requested.

ARMED FORCES RADIO AND TELEVISION SERVICE (USA Military).

ADDRESS: Keflavik Airport, Iceland.
Station TFK 1484 kc/s 202.2 m 0.25 kW.

DAILY PROGRAMMES in English: W.: 07.30–01.00, Sun.: 09.00–24.00.

ANNOUNCEMENT: "This is TFK Keflavik Airport Iceland".

IRELAND

RADIO EIREANN (GOVERNMENT).

ADDRESS: General Post Office, Dublin. Cable: Radio Eireann.

LEADING PERSONALITIES: Chairman Radio Eireann Council: Charles L. Brennan. Director of Broadcasting: Maurice Gorham. Controller of Programmes: Robert Farren. Administration Officer: Matthew Doherty. Chief Engineer: John O'Keeffe.

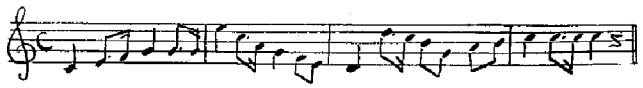
HOME SERVICE in English and Irish:
W. 08.00–09.15, 13.00–14.30, 17.30–23.30. Sun. 10.30–11.15, 12.30–23.30.

Athlone	566 kc/s	530 m	100 kW
Dublin	1250 –	240 –	5 –
Cork	1250 –	240 –	5 –

N.: in English: 08.00 (W), 09.00 (W), 13.30 (W), 18.30, 22.15. – N. in Irish: 18.01(W), 22.00(W). – Weatherrep.: given with all news bulletins. – Time-Sig.: 08.00, 13.00, 17.30, 18.00, 18.30, 22.30. – Religious Progr.: Sun. 10.30–11.15 (High Mass.). – Irish Music: Sat. 20.30–21.00. – Request Progr.: Wed.: 13.00–13.30, 13.45–14.30 (for hospitals). – Program Preview: 09.15 and 18.25 approx.

ANNOUNCEMENT: "Radio Eireann".

INTERVAL-SIGNAL: Musical Box playing 4 bars of Irish Air "O Donnell Abu".



VERIFICATION by letter. Reports are wanted. No return postage required.

ITALY

RAI – RADIOTELEVISIONE ITALIANA
(State Service granted by public act to RAI).

ADDRESS: Via del Babuino 9, Roma. Cable: "Raidirro".

LEADING PERSONALITIES: Pres.: Prof. Antonio Carrelli. – Vice Pres.: Avv. Attilio Pacces, Hon. Luigi Bennani. – Man. Dir.: Ing. Filiberto Guala. – Dir. Gen.: Ing. Giovanni Battista Vicentini. – Vice Dir. Gen.: Dr. Marcello Bernardi. – General Secretary (Dir. Foreign Rel.) Dr. Gian Franco Zaffrani. – Dir. Adm.: Dr. Bruno Vasari. – Dir. Progr. (Radio): Maestro Giulio Razzi. – Subdir. of Progr. (Radio): Maestro Mario Labroca. – Dir. Progr.: TV: Dr. Sergio Pugliese. – Dir. Radio News: Dr. Antonio Piccone Stella. – Tec. Dir. (Radio): Ing. Gino Castelnuovo. – Dir. Tec. TV.: Ing. Sergio Bertolotti. Co-Dir. Gen. Aff.: Dr. Luigi Beretta, Avv. Enzo Turco – Chief Pers.: Dr. Pier Antonio Milone. – Directors "Radiocorriere".. Ing Vittorio Malinverni. Dr. Eugenio Bertuetti.

HOME SERVICE in Italian:
Not possible to indicate powers owing to pending changes.

NATIONAL PROGRAMME: W.: 06.00–08,00, 10.00–13.30, 15.25–23.00. Sun. 06.00–23.00.

	kc/s	m		kc/s	m
Caltanissetta I	566	530.0	La Spezia I	1484	202.2
Trieste I	818	366.7	Verona I		202.2
Milano I	899	333.7	Ancona I	1578	190.1
Cagliari I	1061	282.8	Brindisi I		190.1
Bolzano I	656	457.3	Carrara I		190.1
Firenze I		457.3	Catanzaro I		190.1
Napoli I		457.3	Cosenza I		190.1
Torino I		457.3	Lecce I		190.1
Venezia I		457.3	Perugia I		190.1
Bari I	1331	225.4	Taranto I		190.1
Bologna I		225.4	Terni I		190.1
Catania I		225.4	**Autonomous:**		
Genova I		225.4	Trieste A. (In Slovene).	980	306.1
Reggio CI		225.4			
Palermo I		225.4			
Pescara I		225.4	**Short Waves:**		
Roma I		225.4	Caltanissetta	6060	49.50
Udine I		225.4	Caltanissetta	9515	31.53

FM:

	mc/s		mc/s		mc/s		mc/s
M.Venda 1	88.1	Genova 1	89.5	M.Penice 1	94.2	C.Imper. 1	97.1
M.S'Ang. 1	88.3	Roma 1	89.7	Bolzano 1	95.1	Torino 1	98.2
M. Serra 1	88.5	Trieste 1	91.3	S. Cerb. 1	95.3		
Paganella 1	88.6	M. Beigua 1	93.9	M. Peglia 1	95.7		

N. & comments: 06.00(W.), 07.00, 12.00, 13.00, 19.30, 22.15, 23.00. – Time Sign.: 06.00(W.), 07.00, 12.00, 19.30, 23.00. – Weatherrep.: 07.00, 12.00. – Religious: Sun. 06.30–06.45, 08.00–09.00. – Language Lessons: 15.45–16.00. French: Mo., Thurs. English: Tues., Fri. German: Wed., Sat. (These lessons will last from October to June. Spanish & Portuguese lessons will take their place in summer months): Spanish: Mo., Thurs., Fri., 05.45–06.00. Portuguese: Tues., Wed., Sat., 05.00–06.00. – Stock Exchange: W. 13.00. – Opera, Lyric, Music: Mo. 20.00, Wed. 20.00. Sat. 17.30 (winter only). – Symphony: Sun. 16.30. Fri. 20.00.

SECOND PROGRAMME: W.: 08.00–10.00, 12.00–22.30. Sun.: 07.30–11.00, 12.00–22.30.

	kc/s	m		kc/s	m
Roma II	845	355	Bolzano 2	1484	202.2
Synchronized Groupe:			Catanzaro		202.2
Genova 2	1034	290.1	Cosenza		202.2
Milano 2		290.1	Trieste 2		202.2
Napoli 2		290.1	Agrigento 2	1578	190.1
Pescara 2		290.1	Alessandria 2		190.1
Venezia 2		290.1	Aquila 2		190.1
Aosta 2	1115	269.1	Arezzo 2		190.1
Bari 2		269.1	Ascoli Piceno 2		190.1
Bologna 2		269.1	Avellino 2		190.1
Messina 2		269.1	Belluno 2		190.1
Pisa 2		269.1	Benevento 2		190.1
Ancona 2	1448	207.2	Biella 2		190.1
Cagliari 2		207.2	Bressanone 2		190.1
Caltanissetta		207.2	Brunico 2		190.1
Catania 2		207.2	Campobasso 2		190.1
Firenze 2		207.2	Como		190.1
Palermo 2		207.2	Cuneo 2		190.1
Sanremo 2		207.2	Foggia 2		190.1
Sassari 2		207.2	Gorizia 2		190.1
Torino 2		207.2	Merano 2		190.1
Udine 2		207.2	Potenza 2		190.1

Salerno 2	190.1	Sondrio 2	190.1
Savona 2	190.1	Trento 2	190.1
Siena 2	190.1	Verona 2	190.1
		Vicenza 2	190.1

Short Waves:
Palermo 7175 kc/s 41.81 m

FM:

mc/s		mc/s		mc/s		mc/s	
M.Venda 2	89.9	Maranza 2	91.1	Genova 2	94.9	Bolzano 2	97.1
M.Serra 2	90.5	Roma 2	91.7	C.Imper. 2	95.1	S.Cerbone 2	97.3
M.S'Ang. 2	90.7	Torino 2	92.1	Milano 2	95.9	M.Penice 2	97.4
Paganella 2	90.7	Trieste 2	93.5	M.Beigua 2	96.7	M.Peglia 2	97.7

N. & Comments: W.: 12.30, 14.00, 17.00, 19.00, 21.00 (Approx). Sun.: 12.30, 19.00. – **Weatherrep.:** W. 14.00. – **Time Sign.:** W.: 14.00, 19.00. Sun. 19.00. – **Opera, Lyric Music:** Tues. 16.00, Sat. 20.00. – **Symphony:** Thurs. 21.00.

THIRD PROGRAMME: W. 18.00–23.00. Sun.: 14.30–17.30, 18.00–23.00.

	kc/s	m		kc/s	m
Bari 3	1367	219.5	Palermo 3		219.5
Bologna 3		219.5	Roma 3		219.5
Bolzano 3		219.5	Torino 3		219.5
Catania 3		219.5	Venezia 3		219.5
Firenze 3		219.5	Verona 3		219.5
Genova 3		219.5	Livorno 3	1578	190.1
Messina 3		219.5	Pisa 3		190.1
Milano 3		219.5	**Short Wave:**		
Napoli 3		219.5	Roma	3995	75.09

FM Stations:

mc/s		mc/s		mc/s		mc/s	
M.Venda 3	89	M.Serra 3	92.9	Torino 3	95.6	Bolzano 3	99.5
Bologna 3	90.9	Milano 3	93.7	Trieste 3	96.3	M.Peglia 3	99.7
Genova 3	91.9	Roma 3	93.7	M.Beigua 3	98.9	M.Penice 3	99.9
Paganella 3	92.7	Napoli 3	94.5	S.Cerbone 3	99.3		

N. & Comments: 20.00. – **Opera, Lyric Music:** Sun. 20.20. – **Symphony:** Daily 19.15. Sat. 20.30.

NIGHT PROGRAMME ("Notturno dall' Italia")
Roma 2 845 kc/s 355 m 150 kW. D. 22.35–05.45 – News & Music. – **N. in Italian & English:** 00.00, 01.00, 02.00, 03.00, 04.00, 05.00. – **N. in French & German:** 23.30, 00.30, 01.30, 02.30, 03.30, 04.30.

ANNOUNCEMENTS: "RAI – Radiotelevisione Italiana – Stazioni del (Programma Nazionale, Secondo Programma, Terzo Programma)" Night Programme: "RAI – Radiotelevisione Italiana – Stazione di Roma 2 che trasmette sulla lunghezza d'onda di m. 355 pari a kc/s 845 – "Notturno dall' Italia".

INTERVAL-SIGNAL: Bird chirping.

VERIFICATION by QSL-card.

FOREIGN SERVICE

Radio Roma 50/60/100 kW.

kc/s	m	kc/s	m	kc/s	m	kc/s	m
5960	50.34	7290	41.15	9710	30.90	15400	19.48
6010	49.92	7300	41.10	9780	30.67	17750	16.90
6060	49.50	9420	31.85	11810	25.40	17770	16.88
6190	48.47	9575	31.33	11905	25.20	17800	16.85
6210	48.31	9630	31.15	15120	19.84	21560	13.91
7275	41.24	9670	31.02	15325	19.58		

EUROPEAN SERVICE

Albanian	kc/s
13.30–13.45	7290, 9575
17.45–18.00	6010, 7275
Bulgarian	
21.00–21.15	6010, 7275, 9575
Czech	
13.15–13.30	6010, 7275, 9630
18.25–18.35	5960, 7290, 9710
20.25–20.40	5960, 7290
Danish/Norwegian (Tues., Thurs., Sat.)	
17.35–17.55	5960, 7290, 9710
English	
18.40–19.00	6010, 7275
French	
18.20–18.40	6010, 7275
German	
13.30–13.45	6010, 7275, 9630
18.10–18.25	5960, 7290, 9710 for Austria
20.40–21.00	5960, 7290
Greek	
19.05–19.25	5960, 7290
Hungarian	
13.15–13.30	7290, 9575
21.30–21.50	6010, 7275, 9575
Lithuanian	
19.50–20.10	5960, 7290
Polish	
13.00–13.15	6010, 7275, 9630
17.35–17.45	6010, 7275
20.10–20.25	5960, 7290

Portuguese	kc/s
21.30–21.55	5960, 7290
Rumanian	
13.00–13.15	7290, 9575
20.40–21.00	6010, 7275, 9575
Russian	
03.20–03.40	6010, 7275, 9575, 9710, 11810
14.10–14.35	9575, 11905
21.15–21.30	5960, 7290
Serbian	
21.15–21.30	6010, 7275, 9575
Slovak	
13.45–14.00	6010, 7275, 9630
21.00–21.15	5960, 7290
Slovene	
13.45–14.00	7290, 9575
Spanish	
21.55–22.20	5960, 7290
Swedish/Finnish (Mo., Wed., Fri.)	
Italian (Sun.)	
17.35–17.55	5960, 7290, 9710
Turkish	
19.25–19.50	5960, 7290
Ukrainian	
18.00–18.20	6010, 7270
For Belgium/Holland/Esperanto Nato, United Europe	
17.55–18.10	5960, 7290, 9710

OVERSEAS SERVICE

AU., N.Z., PACIFIC	
English	
09.00–09.35	17750, 17800, 21560
Italian	
06.50–07.45	9780, 11905, 17750 17800, 21560
11.25–12.00	15325, 15400, 17770 17800, 21560
20.00–20.30	6010, 9575, 9710
22.00–22.20	6010, 9575, 9710
S.E.ASIA & THE FAR EAST	
Chinese	
09.45–10.05	11905, 15120
English, French	
10.45–11.15	11905, 17770, 21560
Indonesian	
09.45–10.05	15325, 17770, 21560
Japanese	
10.10–10.35	9630, 11905, 15120 17770, 21560
S. ASIA	
Hindi (W.)	
15.00–15.15	7290, 9575, 9630, 11810, 11905
Urdu (W.)	
15.15–15.30	
AFRICA & NEAR EAST	
Arabic	
06.30–06.45	6010, 9575, 11905 15400, 17800

11.05–11.15	15320, 17800
19.05–19.50	6010, 7275, 9575
English	
09.20–09.35	9780, 11905
French	
09.00–09.20	9780, 11905
Italian	
10.45–11.05	15325, 17800
16.05–17.25	6010, 9575, 11810 11905, 17800
Persian	
14.40–15.00	(W) 9575, 11905
SOUTH AFRICA	
English	
15.40–15.55	15325, 17800
C. & S. AMERICA	
Italian	
18.40–18.55	9710, 11810, 11905
02.20–02.40	6010, 9710, 9780
Portuguese	
00.10–00.30	9710, 9780, 11810
Spanish	
00.30–00.50	9710, 9780, 11810
02.50–03.10	6010, 9710, 9780
N. AMERICA	
English	
00.10–00.30	6010, 9575
02.20–02.40	6060, 9575

The E. B. U. Bulletin

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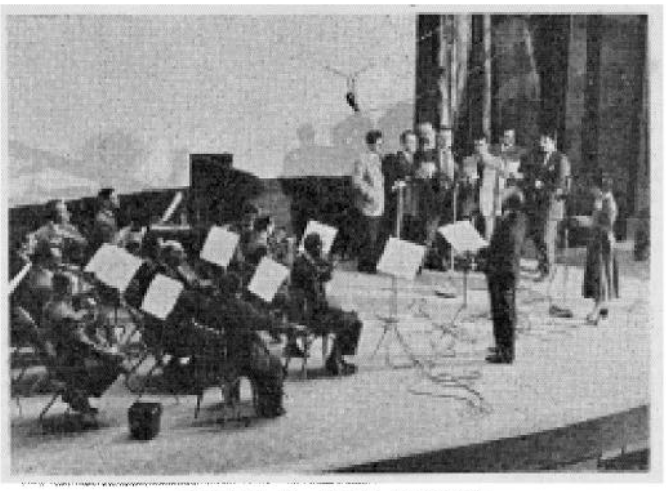
Les RAPPORTS d'ECOUTE MENSUELS (ondes courtes) et TRIMESTRIELS (ondes moyennes et longues dans la Zone européenne de radiodiffusion)

édités par le

CENTRE TECHNIQUE DE L'U. E. R.
32, Avenue Alb. Lancaster BRUXELLES (Belgique)

sont les plus documentés et les plus objectifs.



SHARG AL ADNA, CYPRUS:
Sharg Al Adna orchestra accompanying »Firouz« one of the stations popular artists in one of her recordings.

French		**SPECIAL PRGR.S IN ITALIAN**	
00.30–00.50	6010, 9575	**Press Review, News**	
Italian		07.50–08.05	9780, 11905, 17750 17800, 21560
22.30–00.10	6010, 9575, 9710, 9780, 11810	15.40–15.55	6010, 7290, 11810
01.00–02.20	6010, 6060, 9575, 9710, 9780	**Dictation News**	
02.50–03.10	6060, 9575	08.05–08.55	9780, 11905, 17780, 17800, 21560
		14.10–14.50	15325, 17800, 21560
		Sport (Sun. only)	
		14.55–16.05	11905, 15325, 17770 17800, 21560

ANNOUNCEMENT in Italian: "Qui la Radio Italiana che vi parla da Roma, che trasmette sulla lunghezza d'onda di... programma per ...", and in the languages of the countries to which the transmissions is dedicated.

INTERVAL-SIGNAL: Bird chirping. – **VERIFICATION** by QSL-card.

LUXEMBOURG

RADIO LUXEMBOURG (COMM. – PRIV.)

ADDRESS: Compagnie Luxembourgeoise de Télédiffusion, Villa Louvigny, Luxembourg. **Cable:** "Radio Luxembourg".

LEADING PERSONALITIES: Pres.: E. Reuter. Dir. Gen.: René-Louis Peulvey. Asst. Gen. Man.: M. Felten. Dir. Progr.: A. Dubois la Chartre. Sub. Dir. Progr.: P. Wismer. Dir. Music.: H. Pensis.

STATIONS: R. Luxembourg I and II.

I	233 kc/s	1287 m	500 kW	d	6090 kc/s	49.26 m	50 kW
II	1439 –	208 –	150 –	d	15350 –	19.54 –	5 –

HOME SERVICE

LUXEMBOURG II: 1439 kc/s 17.00–18.00 in Luxembourgian.
N.: 17.30. – **Weatherrep.:** 17.58, 17.59 (French). – **National Music:** Sun. 17.30–17.50, Sat. 17.00–17.30. – **Request Prgr.:** Sun., Wed., Thurs. 17.00–17.30.

FOREIGN SERVICE

LUXEMBOURG I: 233 kc/s 05.15–23.00 & 6090 kc/s 05.30–23.00.

FRENCH:
N.: W.: 05.40, 06.45, 08.00, 09.00, 12.00, 13.00, 14.00 (exc. Thurs.), 14.15(Thurs.), 18.15, 19.45(Fri.), 20.00(Mo., Tues., Thurs., Sat.), 20.10(Wed.), 21.00(exc. Mo.). Sun.: 06.00, 07.00, 08.00, 09.00, 12.00, 13.00, 18.15, 19.43. – **Weatherrep.:** 06.24, 19.30(Thurs.), 19.44(Sun.), 19.46(Fri.), 20.01(Mo., Tues., Sat.), 20.11(Wed.). – **Time-Signal:** W.: 05.50, 06.54, 12.12, 18.32. Sun.: 06.10, 07.14, 12.05, 18.23. – **Rel. Prgr.:** Sun. 07.30–07.45 (Cath.). W. 22.00–22.15, Thurs. 09.30–10.30 (Mass in French & German). – **Request Prgr.:** Sun. 09.15–10.15. Sat. 21.15–22.00 (Luxembourgian).

RELIGIOUS PROGRAMMES in Foreign Languages:
English: Mo., Wed. 22.15–22.45. Fri. 22.15–22.30. – **Flemish:** Sat. 22.15–22.30. – **German:** Mo. 05.19–05.39. Thurs. 05.24–05.39, 22.15–22.30.

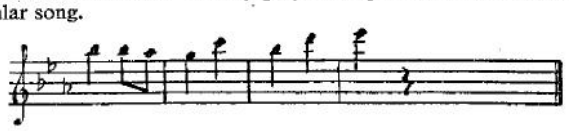
LUXEMBOURG II: 1439 kc/s 05.30–13.00, 18.00–23.00.

FLEMISH for Belgium: 05.30–13.00.
N.: 05.45, 06.45, 08.00, 09.00, 10.00, 11.50. – **Weatherrep.:** 06.14, 06.55, 11.48. – **Time-Signal:** W.: 05.50, 06.55, 10.00, 11.59. Sun.: 06.55, 08.00, 10.00. – **Religious:** Sun. 07.45–08.00 (Cath.). – **Request Prgr.:** Daily 06.00–06.14. W. 09.30 (or 09.35)–10.00. – **Mailbag:** Thurs. 07.00–07.30. Sun. 12.30–13.00.

ENGLISH for Gr. Britain: 18.00–23.00.
Time-Signal: W. 19.00. Sun.: 18.00, 19.00, 20.00, 21.00, 22.00. – **Rel. Prgr.:** Mo. 22.05–23.00. Tues., Wed., Thurs. 22.00–23.00. Fri. 22.00–22.45. Sat. 22.00–22.30. – **Request Prgr.:** W. 18.00–19.00.

ANNOUNCEMENTS: French: "Ici Radio Luxembourg". **English:** "Here Radio Luxembourg". **Flemish:** "Hier is Radio Luxembourg". **Luxembourgian:** "Hei ass Radio Letzeburg".

INTERVAL-SIGNAL: Melody played on piano: A Luxembourgian popular song.



VERIFICATION by letter. Return postage not required.

PUBLICATIONS: "Radio Magazine" (for French listeners) and "Notre Radio" (for Belgian listeners) are distributed free of charge to members of "Association des Amis de Radio-Luxembourg". »208 and View«, is a weekly progr.journal, for sale in England.

MADEIRA ISLANDS

R. CLUBE DE MADEIRA: CSB90 1484 kc/s 202 m 1 kW.

RADIODIFUSAO DE FUNCHAL: CSB91 1594 kc/s 188.2 m 0.5 kW.

R. NACIONAL: See Portugal.

MALTA

BROADCAST RELAY SCE. LTD. (Wired Broadcasting. Pr.) Commercial.

ADDRESS: 121 Britannia Str., Valetta. **Cable:** Rediffusion Malta.

LEADING PERSONALITIES: Gen. Man.: E. Hamilton Hill. Ass. Gen. Man.: G. A. Slater. Dir. Progr.: J. Colley. Engineer-in-charge: W. Gibson. Public Relations Officer: A. Castillo. – **Daily Progr.:** 06.00–23.00 BBC General Overseas Sce. Local programmes 05.00–22.00 in Maltese. Wired broadcasting service covering all towns and villages in Malta and most of Gozo.

MONACO

RADIO MONTE-CARLO (COMM.-PRIV.)

ADDRESS: 16, Boulevard Princesse Charlotte, Monte Carlo. **Cable:** "Radiocarlo".

LEADING PERSONALITIES: President of Adm. Council: M. Cesar Solamito. Dir. Gen.: Robert Schick. Comm. Director: R. H. Dogor. Dir. Tec.: M. Fromaget. Dir. of Progr.: F. Fels. Dir. Adm.: Fr. de la Panouse. Chief of Information: Ph. Fontana.

Stations: "Radio Monte Carlo":
3AM2 1466 kc/s 205 m 120 kW 3AM4 7349 kc/s 40.82 m 30 kW
3AM3 6035 – 49.71 – 30 –

HOME SERVICE in French on all frequencies:
W. 05.47–08.30, 11.00–22.30. Sun. 05.57–22.30.
N.: 06.00, 07.00, 08.00, 11.00, 12.00, 18.00, 18.55, 21.00, 22.00. **Weatherrep.:** After each newscast. – **Time-Signal:** 06.05, 05.54, 08.10, 12.05, 13.00, 18.10, 19.00, 21.05, 22.05.

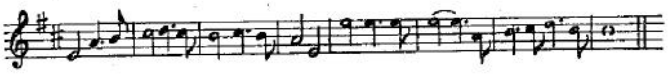
FOREIGN SERVICE in English, Italian, Spanish on all frequencies:
English:
Wed. 22.05–23.05: **"Baltimore Gospel Tabernacle Program" – Billy Graham:** Fri. 22.05–22.35. –

Italian:
Mo. 08.10–08.25: **"Frank & Ernest"** – Wed. 17.05–17.20: **"Cristo per tutte le nazioni"** – Wed. 08.10–08.30: **"Radio Réveil"** – Fri. 08.10–08.25: **"La Voix de l'Espérance".**

Spanish: Fri. 22.05–22.20: "Radio Réveil". – **German:** Fri. 22.20: **"La nouvelle vie".**

ANNOUNCEMENT: "Ici Monte Carlo", longueurs d'ondes: 205 m en ondes moyennes et 49 m. 71 et 40 m. 82 en ondes courtes. Bonjour Mesdames, Bonjour Mesdemoiselles, Bonjour Messieurs nos émissions commencent, en voici le programme..."

INTERVAL-SIGNAL: Before and after every transmission period 06.00, 11.00 and 18.00 "L'Hymne Monégasque" is played.



VERIFICATION by QSL-card and letter.

Sharg al Adna Cyprus Italy Madeira Malta Monaco Luxembourg

NORWAY

NORSK RIKSKRINGKASTING (GOVT.)

A non-commercial enterprise operated by an independent organization.

ADDRESS: Suhmsgate 23, Oslo. **Cable:** Studio, Oslo.

LEADING PERSONALITIES: Dir.: K. Fostervoll. Dir.: Progr. Th. Diesen. Dir. Adm.: K. Tvedt. Dir. Tec.: Chr. Vibe. Chief Secr.: O. Lid. Studio-Controller: A. Klæbo. Progr. Editors: Toralv Øksnevad, Carl C. Lyche, Fr. Chr. Wildhagen, L. Rustad. Dir. Music: H. Kramm. Dir. Plays: H. Heiberg. Editor "Programbladet": E. Strand. Dir. Shortwave Progr.: Gunnar Nygaard.

HOME SERVICE in Norwegian: 05.45–08.00(Sat. 08.20), 10.20–13.00, 15.30 (Sat. 15.00)–22.00. Sun. 07.15–14.45, 15.00–22.15.

	kc/s	m	kW		kc/s	m	kW
Alta	1115	269	0.25	Mosjöen	1484	202	0.025
Arendal	1115	269	0.25	Namsos	1115	269	1
Bergen I	890	337	20	Narvik	1466	205	1
Bergen II	1115	269	1	Notodden	1115	269	1
Bodö	674	445	10	Odda	1466	205	0.25
Brönnöysund	1484	202	0.25	Oslo	218	1376	200
Finnmark	701	428	20	Porsgrunn	1466	205	0.25
Fredrikstad	1578	190	10	Rjukan	1484	202	0.25
Geilo	1466	205	0.25	Röros	1115	269	0.25
Hamar	520	577	1	Sandnessjöen	1466	205	0.25
Kristianssand	890	337	20	Stavanger	1313	228	100
Langerak*)			0.6	Sulitjelma*)			0.25
Lista	1115	269	0.3	Svalbard	1466	205	0.25
Mo i Rana	1115	269	0.025	Tromsö	155	1935	10
				Tröndelag	890	337	20
				Vigra	629	477	100

*) Rediffusion.

FM: Lyngdal FM 97.6 mc/s 3 kW. Voss FM 93.3 mc/s 3 kW. Relay Home Service Exper.

N.: 07.00 (W.), 08.00 (S.), 12.00, 18.05, 21.10. – **Weatherrep.:** 05.45 (W.), 07.00 (W.), 08.00 (S.), 12.00, 18.00, 21.00.

Bergen II Local: W.: 11.00–11.30. D.: 16.00–17.30.

Bodö, Tromsö, Vadsö Local: Tues., Wed., Thurs., Sat. 13.00–13.15.

Vadsö, Alta & Tromsö (155/9550 kc/s) in Samisk Sat. 13.30–14.00.

ANNOUNCEMENT: "Dette er Norsk Rikskringkasting". **In Samisk:** "Dat la Norga Rikaradio, Tromsast. Di gullabetet Samgial programa".

INTERVAL-SIGNAL:

FOREIGN SERVICE:

Frequencies (5/10/100 kW) that may be used during the year:

Call	kc/s	m	Loc.	Call.	kc/s	m	Loc.
LKF	1578	190.1	F	LKQ	11735	25.56	F
LKJ	6130	48.94	T	LLK	11850	25.32	F
LLI	6185	48.50	T	LKV	15170	19.78	F
LLS	7210	41.61	T	LLM	15175	19.77	F
LLR	7240	41.44	T	LKW	17755	16.90	F
LKJ2	9540	31.45	T	LLN	17825	16.83	F
LLD	9550	31.41	T	LLP	21670	13.85	O
LLG	9610	31.22	F	LLQ	21730	13.81	O
LLH	9645	31.10	F				

(F=Fredrikstad. T=Tromsö. O=Oslo).

To Europe, Africa, Antarctic:
W. 06.30–07.35 Home Service 11735, 15175, 17825, 21670
Sun. 07.15–09.55 – – 11735, 15175, 17825, 21670
D. 18.00–22.00 – – 9610, 11735, 15175, 21670

To Far East, Japan, E. Australia, New Zealand:
D. 11.00–12.00 For Norw. abroad
W. 12.00–12.20 Home Service
Sun. 12.00–12.20 "Norw. this week"
} 11735, 15175, 17825, 21670

To Indian Ocean, W. Australia:
D. 13.00–14.00 For Norw. abroad
Sun. 14.00–14.20 "Norw. this week"
} 11735, 15175, 17825, 21670

For Mediterranean, Africa Waters, N. and M. Atlantic:
D. 16.00–17.00 For Norw. abroad
Sat. 17.00–18.00 Home Service
Sun. 17.00–17.20 "Norw. this week"
} 11735, 15175, 17825, 21670

To S. America:
D. 23.00–24.00 For Norw. abroad
Mo. 00.00–00.20 "Norw. this week"
} 6130, 9610, 11735, 1578

To N. America:
D. 01.00–02.00 For Norweg. abroad 6130, 7210, 9610, 1578
Mo. 02.00–02.20 "Norway this week" 6130, 7210, 9610, 1578

To N. America, Pacific, S. Africa:
D. 04.00–05.00 For Norweg. abroad 6130, 7210, 9610, 1578
Mo. 05.00–05.20 "Norway this week" 6130, 7210, 9610, 1578

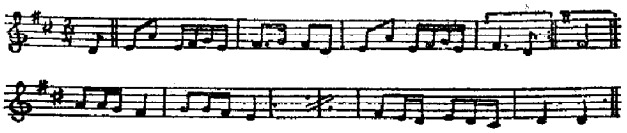
To N.- & Mid-Atlantic:
W. 10.25–10.35 Weather at Sea *) 9610, 11850
D. 22.55–23.00 – – – *) 6130, 9610, 11735, 1578
D. 00.55–01.00 – – – *) 6130, 7210, 9610, 1578
*) In Norwegian only.

Progr. for Norwegians abroad: Sun. Religious Sce. Parliament N., Local N. – Mo. Sport N., Local N. – Tues. Answers to letters from listeners. Local N. – Wed. Request Progr. (music), Local N. – Thurs. World N., Local N. – Fri. Missionary N., Local N. – Sat. Letter Box, Local N.

FOR NORWEGIAN SEAMEN in the N. Atlantic and the N. Sea: Tromsö Short Wave Transmitter broadcasts daily the entire Home Sce. Progr.: In the morning on 9550 kc/s before and on 7210 kc/s after 16.00.

ANNOUNCEMENT: "This is R. Norway with its short wave service for Norwegians abroad".

INTERVAL-SIGNAL: Every s.w. transmission to Norwegians abroad is introduced by a Norwegian folkmelody from Hallingdal.



Message to our English-speaking audience: In our daily special programmes for Norwegians abroad we will usually have a section of Norwegian music or music presented by Norwegian artists. This musical section, which lasts 15 to 20 minutes, is introduced in **English** as well as in **Norwegian.** On Wednesdays and Saturdays you can listen to our **"Letter Box Programme"**, in which we play our listener's **request records.** We often receive letters from listeners in Norway with request to play a record with a greeting to one of their relatives abroad, but we regret to be unable to comply with these requests.
Every Sunday we have an additional programme in English, **"Norway this week"**, in which we try to present Norway in different ways through music and feature programmes. We are very grateful for comments on our transmissions. Reports are answered by QSL-card. Return postage is not necessary. Our postal address is: RADIO NORWAY, Oslo, Norway.

POLAND

POLSKIE RADIO (Govt.)

ADDRESS: Komitet do Spraw Radiofonii "Polskie Radio", ul. Noakowskiego 20, Warsaw. **Cable:** "Polskie Radio".

LEADING PERSONALITY: Pres.: T. Galinski.

HOME SERVICE:

PROGRAMME I (Central Programme):
Warszawa I 227 kc/s 1322 m 200 kW.
W.: 04.00–12.40(Sat. 12.10), 14.25–22.10(Sat. 22.40). Sun.: 04.57–11.04, 12.00–22.40.
N.: W.: 04.05, 05.00, 06.00, 06.40, 11.04, 15.00, 19.00, 22.00. Sun.: 05.00, 06.00, 15.00, 19.00, 22.00. – **Request Prgr.:** Wed. 17.50–19.00, Sat. 15.05, Sun. 09.57. – **Mailbag:** Wed. 09.50, Sun. 12.00. – **Chopin-Concert:** Wed. 20.10.

PROGRAMME II (National Programme):
W.: 04.00–08.00, 11.35–23.00. Sun. 05.27–23.00.

	kc/s	m	kW		kc/s	m	kW
Warszawa II	818	367.0	50	Bydgoszcz	1367	219.5	24
Stalinogrod	1079	278.0	50	Wroclaw	1367	219.5	50
Poznan	1205	249.0		Gdansk	1484	202.2	
Szczecin	1259	238.3	100	Kracow	1502	199.7	
Lodz	1304	230.0					

N.: W. 05.00, 06.00, 06.40, 13.00, 17.15, 20.30, 22.50. Sun. 05.40, 07.00, 16.00, 20.30, 22.50. –
Polish Music: Tues. 21.40, Sun. 14.00 (Chopin).

FOREIGN SERVICE

Stations: Warsaw (227 kc/s = 200 kW, 737, 1304 kc/s = 100 kW, s.w. = 7.5/100 kW).

227 kc/s	1322 m	6115 kc/s	47.42 m	9540 kc/s	31.45 m
737 –	407.1 –	6195 –	48.43 –	9555 –	31.40 –
1304 –	230 –	7125 –	42.11 –	9600 –	31.25 –
5955 –	50.38 –	7145 –	41.99 –	9615 –	31.20 –
5975 –	50.21 –	7175 –	41.81 –	11740 –	25.55 –
5995 –	50.04 –	7255 –	41.36 –	15120 –	19.84 –
6025 –	49.79 –				

EUROPEAN SERVICE: 15/10–14/5 15/5–14/10

Chopin Concert: Wed. 14.00–14.30 on 407 m and Fri. 14.30–15.30 in 31.41 m b., 407 m.

	m.b.	m.b.
Danish:		
05.30–06.00	49–41–407	49–41–31–407
20.30–21.00	49–41	49–41–31
21.00–21.30	407	407
21.30–22.00	49–41	49–41–31–407
English:		
06.30–07.00	49–41–31–407	49–41–31–407
17.00–17.30	49–41	41–31
19.00–19.30	49–41	49–41–31
19.30–20.00	49–41–407	49–41–31–407
20.00–20.30	49–41	49–41–31
22.00–22.30	407	407
22.30–23.00	49–41	49–41–31
Finnish:		
04.00–04.30	49–41–407	49–41 31–407
16.00–16.30	49–41–407	41–31–407
17.30–18.00	49–41	49–41–31
French:		
05.00–05.30	49–41–31	49–41–31
06.00–06.30	49–41–31	49–41–31
11.45–12.00	31	31
13.45–14.15	41–31	41–31
17.00–17.30	49–41	49–31
17.30–18.00	49–41–407	49–41–31–407
20.00–20.30	407	407
20.30–21.00	49–41	49–41–31
22.00–22.30	49–41	49–41–31
German:		
04.30–05.00	49–41–31	49–41–31
05.00–05.30	49–41–407	49–41–31–407
17.00–17.30	49–41–407	41–31–407
18.30–19.00	49–41–407	49–41–31–407
19.30–20.00	49–41	49–41–31
21.00–21.30	49–41	49–41–31
22.45–23.15 (Mo.–Fri.)	1322	1322
23.15–23.45 (Sat., Sun)	1322	1322
Greek:		
03.30–04.00	407	407
04.00–04.30	49–41–31	49–41–31
11.30–12.00	31	31
13.00–13.30	41–31	41–31
14.30–15.00	49–41	49–41–31
15.30–16.00	49–41–407	49–41–31–407
18.00–18.30	49–41	49–41–31
22.30–23.00	49–41	49–41–31
Italian:		
14.00–14.30	41–31	41–31
18.00–18.30	49–41–407	49–41–31–497
22.00–22.30	49–41	49–41–31
22.30–23.00	407	407
Macedonian:		
10.15–10.45	41–31	41–31
15.00–15.30	49–41	49–31
16.30–17.00	49–41	41–31
Polish:		
05.30–06.00	49–41–31	49–41–31
06.00–06.30	49–41	49–31
06.30–07.00	407	407
16.30–17.00	49–41–407	49–31–407
18.00–18.30	49–41	49–41–31
19.00–19.30	49–41	49–41–31
20.00–20.30	49–41	49–41–31
20.30–21.00	407	407
21.00–21.30	49–41	49–41–31
23.15–23.45	230	230
Russian:		
11.15–11.45	41–31	41–31
Serbo-Croatian:		
04.30–05.00	49–41–407	49–41–31–407
10.45–11.15	41–31	41–31
12.30–13.00	41–31	41–31
15.00–15.30	49–41	41–31
16.00–16.30	49–41	41–31
16.30–17.00	49–41	41–31
21.00–21.30	407	407
00.00–00.30	407	407
Spanish:		
13.30–14.00	41–31	41–25
18.30–19.00	49–41	49–41–31
20.30–21.00	49–41	49–41–31
21.00–21.30	49–41	49–41–31
23.00–24.00	407	407
Swedish:		
06.00–06.30	49–41–407	49–41–31–407
17.30–18.00	49–41	41–31
19.00–19.30	49–41–407	49–41–31–407
22.15–22.45 (Mo.–Fri.)	1322	1322
22.45–23.15 (Sat., Sun.)	1322	1322
Yiddish:		
21.30–21.55	49–41	49–41–31

NORTH AMERICAN SERVICE

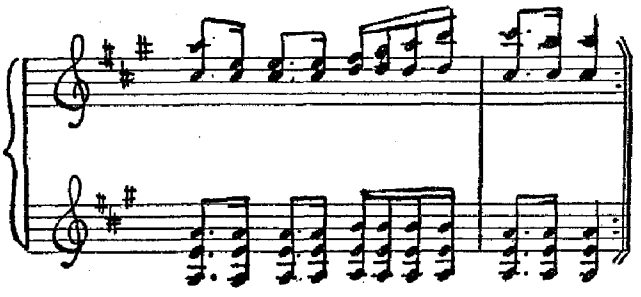
	kc/s	kc/s
English:		
11.00–11.30 Sun. Concert	11740	11740
12.15–13.15	11740	15120
00.30–01.30	6025	9540
02.30–03.00	6025	9540
05.30–06.00	6025	9540
Polish:		
01.30–02.30	6025	9540
03.00–04.00	6025	9540
04.30–05.30	6025	9540
Yiddish:		
04.00–04.30	6025	9540

SOUTH AMERICAN SERVICE

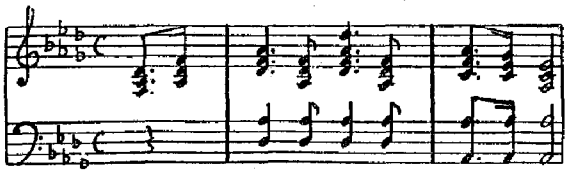
Polish: 23.15–00.15 on 9540 kc/s whole year.

ANNOUNCEMENT: In Polish: "Mowi Warszawa". In French: "Ici Varsovie". In English: "This is Warsaw calling".

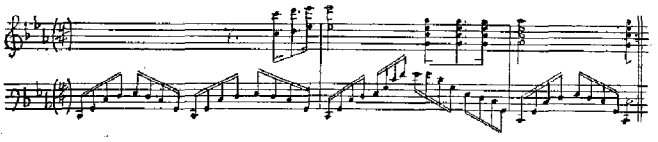
INTERVAL-SIGNAL: Warsaw National. Warsaw I.



Warsaw II: First movement of Polonaise in A flat major by Chopin.



Foreign Service: Revolutionary Etude by Chopin.



VERIFICATION by QSL-card. Return postage not required.

PORTUGAL . s . .

EMISSORA NACIONAL DE RADIODIFUSAO (Govt.)

ADDRESS: Rua do Quelhas, 2, Lisboa. Cable: "Emissora Lisboa". Emissor Regional do Norte: Rua Candido dos Reis, Porto. – Emissor Regional de Coimbra: Coimbra. – Emissor Regional de Faro: Faro. – Emissor Regional da Guarda: Guarda. – Emissor Regional dos Açores: Ponta Delgada, Açores.

LEADING PERSONALITIES: President: Sr. Antonio d'Eça de Queiroz. Dir. Tec.: Sr. Manuel Bivar. Dir. Adm.: Sr. Armando Stichini Villela. Dir. Production: Sr. José Luiz da Silva Dias. Dir. Transmitting Dept.: Sr. Fernando da Cunha d'Eça. Dir. Studios Dept.: Sr. Henrique Leotte Tavares. Dir. License Dept.: Sr. José C. Carrilho. Dir. Foreign Service: Sr. Tomáz Alcaide.

Portugal

During summer (1st Sunday of April to 1st Sunday of October) the Home Service is advanced one hour according to "local summertime". The Overseas Service continues on GMT.

HOME SERVICE in Portuguese:

Stations	kc/s	m	kW	Stations	kc/s	m	kW
Lisboa I	665	451	50	Açores (Reg.)	4865	61.66	1
Lisboa II	719	417	15	Lisboa**	6373	47.07	10
Porto I	755	397	10	Lisboa**	11915	25.18	10
Guarda	557	539	1	Açores (Reg.)	11925	25.15	1
Faro	1061	283	1	Porto FM	92.5 mc/s		15
Coimbra	1061	283	1	Lisboa FM	94.3	–	3
Porto II	1562	192	1				

** Atlantico.

In the near future the list of m.w. and FM stations will be:

Medium Waves:	kc/s	m	kW		kc/s	m	kW
Coimbra	557	539	5	Faro	1061	283	10
Elvas	557	539	0.25	Viseu	1061	283	1
Guarda	557	539	1	Funchal (Madeira)	1214	247	1
Villa Real	557	539	1	S.Miguel (Azores)	1358	221	1
Lisboa I	665	451	135	Castello Branco	1367	219	0.25
Porto I	719	417	50	Portalegre	1367	219	0.25
Lisboa I.	755	397	135	Terceira (Azores)	1367	219	1
Covilha	1061	283	10	Porto II	1562	192	10

FM

Porto 92.5 mc/s 15 kW – Lisboa 94.3 mc/s 15 kW – Paradela 98.5 mc/s 15 kW.

Projected: Algarve 87.9 mc/s 1 kW (in 1956) – Montejunto 93.1 mc/s 1 kW – Nogueira 93.7 mc/s 1 kW – Oural 94.9 mc/s 1 kW – Serra d'Aire 95.5 mc/s 50 kW – Marao 96.1 mc/s 50 kW – Ossa 96.7 mc/s 1 kW – Serra da Estrela 97.3 mc/s 50 kW – Serra da Fóia 97.9 mc/s 1 kW – Arrábida 99.1 mc/s 1 kW.

LISBOA I: W.: 07.30–10.00, 12.00–15.00, 18.00–24.00. Sun. 07.30–24.00.

N.: D.: 08.00, 09.00, 13.00, 19.00, 19.50, 21.00, 23.50. – **Rel. Prgr.:** Thurs. 21.30. – **Portuguese Music:** Sun. 12.40. Mo. Tues. 18.45. Wed Sat. 12.00. Thurs. 12.40, 20.15. Fri. 18.45, 21.15. – **Request Prgr.:** Mo. Sat. 20.30. – **Weatherrep.:** D. 09.55, 23.50. – **Time-Signal:** 08.00, 09.00, 13.00, 19.00, 21.00. – **Prgr. Preview:** D.: 07.30, 12.00, 18.00, 23.50.

LISBOA II: W. 19.00–24.00. Sun. 13.45–24.00. – Request Prgr.: Thurs. 21.15.

PORTO I and PORTO II (Norte Nacional): W.: 08.00–10.00, 12.00–15.00, 18.00–24.00. Sun. 08.30–24.00.

COIMBRA: W.: 08.30–10.00, 12.00–15.00, 18.00–24.00. Sun. 11.00–24.00.

FARO: W.: 12.00–14.00, 18.30–24.00. Sun. 11.00–24.00.

GUARDA: W.: 13.00–14.00, 19.30–24.00. Sun. 11.00–24.00.

ATLANTICO: On 11915 kc/s: W. 12.00–15.00. Sun. 11.00–16.45 (Apr.–Oct. 18.45). On 6373 kc/s: W. 18.00–24.00. Sun. 17.00–24.00 (Apr.–Oct. 19.00–24.00).

ACORES REGIONAL: 20.00–21.00 on 11925 kc/s. 21.15–24.00 on 4865 kc/s.

ANNOUNCEMENT: "Estudios de Lisboa de Emissora Nacional Estimados ouvintes, muito bom dia (boa tarde ou boa noite)".

INTERVAL-SIGNAL: Bells and National Anthem.

VERIFICATION by QSL-card.

OVERSEAS SERVICE in Portuguese and English from Lisboa:

kc/s	m	kW	kc/s	m	kW	kc/s	m	kW
5960	50.34	100	9765	30.72	100	15150	19.80	100
5976	50.20	100	9775	30.69	100	15160	19.79	100
6020	49.83	100	11720	25.60	100	15320	19.59	100
6025	49.79	100	11755	25.52	100	15355	19.54	100
6185	48.50	100	11840	25.34	100	15380	19.50	100
6360	47.16	100	11875	25.26	100	17740	16.92	100
6374	47.09	100	11895	25.22	100	17870	16.79	100
7049	42.56	100	11915	25.18	100	17835	16.82	100
7130	42.07	100	11920	25.17	100	17880	16.78	100
7225	41.52	100	11925	25.15	100	17890	16.77	100
7260	41.32	100	11930	25.15	100	17895	16.76	50
7265	41.30	100	11935	25.14	100	21495	13.95	50
9635	31.14	100	11958	25.09	100	21660	13.85	50
9645	31.10	100	11964	25.07	100	21690	13.83	50
9650	31.09	100	11995	25.01	100	21700	13.83	50
9670	31.02	100	14151	21.20	100	25650	11.70	50
9680	30.99	100	15100	19.87	100	25665	11.69	50
9727	30.84	100	15110	19.85	100	25700	11.67	50
9740	30.80	100	15120	19.84	100			
9746	30.78	100	15125	19.83	100			

Remark: Powers indicated are the powers at carrier level.

Time	Service	Oct./Dec.	Jan./March	Apr./June	July/Sept.
		m.b.	m.b.	m.b.	m.b.
11.00–13.00	Mac, Ti.	30, 25, 19, 16	30, 25, 19	19, 16	19, 16
13.15–17.00	Goa	25, 19, 16	25, 19, 16	19, 16	19, 16
13.15–17.00*	An, Moz, ST	19, 16	19, 16	19, 16	19, 16
17.30–20.30	An, Moz, ST.	30, 25	30, 25	25, 19, 16	25, 19, 16
21.00–24.00	G, C.V, B.	30, 25	30, 25	30, 25, 19	30, 25, 19
00.15–02.30	USA, Nf.	50, 47, 30	50, 47, 30	50, 47, 30	50, 47, 30

*) Sun only.

N.: 12.00(W.), 16.00(W.), 17.35(W.), 20.15, 21.05 (for Guinea, Cape Verde), 23.45(W.) (for Brazil), 01.00 (not Mo.).

Prgr. in English for Goa: 14.30–15.30.

ANNOUNCEMENT: "Aqui Lisboa, Serviço Ultramarino da Emissora Nacional a transmitir para... Estimados ouvintes, muito bom dia (boa tarde ou boa noite)".

INTERVAL-SIGNAL: Time signal and Nacional Anthem.

VERIFICATION by QSL-card.

RADIO RENASCENÇA (Religious Catholic)

ADDRESS: Emissora Catolica Portuguesa, Rua Capelo 5, Lisboa.

LEADING PERSONALITIES: Dir.: M. L. da Cruz. Cooperators: Father D. de Oliveira Costa Maia and Father W. Leal.

HOME SERVICE in Portuguese: 08.30.

Lisboa 1286 kc/s 233 m 2 kW – 6154 kc/s 48.74 m 7 kW
Porto 1169 – 256.6 – 1 –

N.: 13.45–14.00, 20.30–20.40, 22.45–22.55. – **Weatherrep.:** After News at 22.45. – **Time Sig.:** 13.00, 21.00. – **Religious Progr.:** D. 18.30–19.00. From May to October in the dates 12 and 13 are broadcast in different languages a religious ceremony from 23.00–01.00 and 11.00–13.00. Sun.: 11.30–12.15, 18.30–19.45. Mo., Thurs. 22.00–22.15. – **Portuguese Music:** 12.20–12.40, 20.40–20.55, 23.20–23.49. – **Request Progr.:** Thurs. 14.15–15.00, Sun. 23.00–23.45. – **Mailbag:** Fri. 21.15–22.15.

ANNOUNCEMENT: Portuguese: "Aqui Radio Renascença-Emissora Catolica Portuguesa". English: "This is the Portuguese Roman Catholic Broadcasting System".

INTERVAL-SIGNAL: 2 and 3 chimes. Progr.'s open with a religious choir.

RADIO CLUBE PORTUGUÈS (Comm.-Priv.)

ADDRESS: Radio Club Portugues. Parede. **Cable:** "Radioclub".

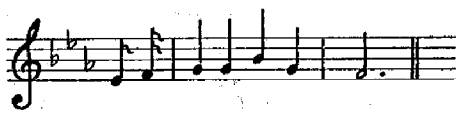
LEADING PERSONALITIES: General Manager: A. Lima Basto. Programme Director: Alvaro Jorge. Technical Director: Eng. Manuel Menezes.

HOME SERVICE in Portuguese:

	kc/s	m	kW		
	782	383.6	100		
CSB2	1034	290.1	20	wi. 07.00–01.00	su. 06.00–24.00
CSB51	6080	49.34	10	wi. 07.00–01.00	su. 06.00–24.00
CSB54	21580	13.90	10	under construction	
CSB2FM	90.2 mc/s	3.30	1 kW	wi. 07.00–01.00	su. 06.00–24.00

ANNOUNCEMENT: "Radio Clube Portugues a transmiter com as suas estacoés de ondas medias, curtas, e frequencia modulada" (frequencies are indicated). frequencia modulada nos. 90.2 mc/s.

INTERVAL-SIGNAL: Gong.



VERIFICATION by QSL-card. 3 kW station in N. Portugal.

RADIO UNIVERSIDADE (Cultural-Ministerio da Educaçao)

ADDRESS: Praca das Flores, 51, Lisboa.

LEADING PERSONALITIES: Dir.: Dr. Adolfo Oliveira Cabral. Dir. Adm.: Dr. Jose Maria Conçalves Pereira. Dir. Tec.: Engineer José Miguel Dias. Chief Service: Sr. Helder Santos.

HOME SERVICE in Portuguese:
719 kc/s 418 m 20 kW. W. 18.00–18.55. N.: 18.50.
ANNOUNCEMENT: "Radio Universidade, estudios do Centro Universitário de Lisboa da Mocidade Portuguesa, a transmitir por intermédio da Estaçao Lisboa 2 da Emissora Nacional".
INTERVAL-SIGNAL: Opens and closes with March of "Mocidade Portuguesa".
EMISSORES ASSOCIADOS DE LISBOA: R. Peninsular – R. Graça – R. Voz de Lisboa – Clube Radiofonico – R. Restauraçao.
CSB 1594 kc/s 188 m 1 kW 07.00–09.00, 11.00–24.00(Sun. 06.00–24.00).
Radio Voz de Lisboa – Addr.: Rua Voz do Operario 64, Lisboa. **L.P.:** Dir. Gen. Dr. Fernando Laranjeira. Dir. Tec.: Eng. J. da Silva Barradas. **Ann.:** "Esta é a Voz de Lisboa, com séde e estúdios na Rua da Voz do Operario 64 em Lisboa." **Int. S.:** Gong. **Verification:** Letter and photo. **Future Plans:** 10 kW, FM in Lisboa.
EMISSORES REUNIDOS DO NORTE: 1223 kc/s 245.2 m 1 kW. Electro Mecanico. – O.R.S.E.C. – Ideal Radio. – E.N.R. – R. Porto. – R. C. do Norte. – A.T.N.P.

RUMANIA

RADIODIFUZIUNEA ROMÎNA (Govt.)

ADDRESS: Radiodifuziunea Romîna, Bucuresti, str. A. St. Popov Nr 62, Republica Populara, Romîna.

HOME SERVICE

FIRST PRGR.	kc/s	m	kW	
Stalin	155	1935	150	W. 03.26–21.55. Sun. 03.56–21.55
Bucuresti II	1052	285	5	W. 03.26–12.15.
Timisoara I	755	397	50	W. 05.00–15.30. Sun. 03.56–11.00 11.45–13.00
Bucuresti	1484	202		W. 12.30–21.55. Sun. 03.56–21.55
Craiova	1457	206	20	W. 12.30–16.00, 17.00–21.55, Sun. 03.56–07.00, 08.00–21.55.
Timisoara II	557	540		W. 17.00–21.55. Sun. 16.00–21.55

News in Rumanian: W.: 03.32, 05.00, 10.35, 13.30, 15.30, 16.55, 21.00; Sun. 04.32, 11.00, 21.00.

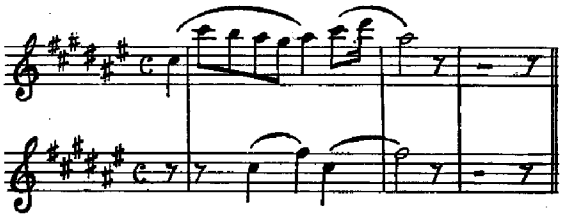
SECOND PRGR.	kc/s	m	kW	
Bucuresti II	1052	285	5	W. 12.30–23.50. Sun. 05.59–23.50
Bucuresti I	854	351	150	W. 12.30–23.50. Sun. 05.59–23.50
Oradea	1151	261	20	W. 12.30–14.15. 15.00–15.45, 18.00–23.50. Sun. 07.30–13.30, 15.00–23.50.
Timisoara I	755	397	50	Sun. 15.00–17.00.

News in Rumanian: W. 13.00, 14.00, 20.00, 23.45. Sun. 06.30, 11.50, 13.00, 20.00, 23.45.

BROADCASTS IN FOREIGN LANGUAGES
Hungarian: On 755/1151 kc/s: W. 04.25–04.40, 16.30–17.00. Sun. 14.00–14.35. 14.35–15.00 (for children).
German: On 755/1151 kc/s: W.: 04.40–04.50, 15.45–16.00. Sun. 13.30–14.00. Mo. 16.00–16.30 (for children).
Serbian: On 755 kc/s: W. 04.50–05.00. Sun. 11.20–11.45 for children.

FOREIGN SERVICE

STATIONS:
5980 kc/s 50.17 m – 9254 kc/s 32.43 m – 6210 kc/s 48.31 m – 9570 kc/s 31.35 m.
EUROPEAN SERVICE:
English:
D.1930–20.00 on 5980, 6210, 9254, 9570 kc/s. On Sun. "Listeners Letter Box".
22.30–23.00 on 155, 6210, 9570 kc/s.
French:
D.18.00–18.30 on 6210, 9570 kc/s. On Sun. "Listeners Letter Box".
D.20.30–21.00 on 5980, 6210, 9254, 9570 kc/s.
D.22.00–22.30 on 6210, 9570 kc/s.
German:
D.18.00–18.30 on 755, 5980, 9254 kc/s. On Sat. "Listeners Letter Box".
D.19.00–19.30 on 6210, 9570 kc/s. On Sat. "Listeners Letter Box".
D.21.00–21.30 on 5980, 6210, 9254, 9570 kc/s. On Mo. "Listeners Letter Box".
D.22.00–22.30 on 155, 5980, 9254 kc/s. On Mo. "Listeners Letter Box".
Greek:
D.17.00–17.30 on 6210, 9570 kc/s.
D.1830–19.00 on 755, 5980, 9254 kc/s.
D.21.30–22.00 on 5980, 9254 kc/s.
Italian:
D.17.30–18.00 on 755, 5980, 6210, 9254, 9570 kc/s.
D.20.00–20.30 on 5980, 6210, 9254, 9570 kc/s On Wed. "Listeners Letter Box".
D.22.00–22.30 on 755 kc/s.
Russian:
D.16.30–17.00 on 5980, 9254 kc/s.
Serbian:
D.17.00–17.30 on 755, 5980, 9254 kc/s. – 19.30–20.00 on 755 kc/s.
Spanish:
21.30–22.00 on 6210, 9570 kc/s.
NORTH AMERICAN SERVICE:
English:
D.03.00–03.30 on 6210, 9570 kc/s. On Sun. "Listeners Letter Box".
D.04.30–05.00 on 6210, 9570 kc/s.
Rumanian:
D.23.15–23.45 on 6210 kc/s. – D.03.30–04.00 on 6210, 9570 kc/s.
SOUTH AMERICAN SERVICE:
Spanish:
00.00–00.30 & 02.30–03.00 on 6210 kc/s.
04.00–04.30 on 6210, 9570 kc/s.
SERVICE TO MIDDLE EAST:
Yiddish:
18.30–19.00 on 6210, 9570 kc/s.
MUSICAL PROGRAMMES FOR LISTENERS ABROAD (incl. Listeners requests).
D.23.45–24.00 on 6210 kc/s. Announcement in **Rumanian.**
D. 16.00–17.00 on 6210, 9570 kc/s. Ann. in **English/French.**
D.22.30–23.00 on 755, 5980, 6210 kc/s. Tues., Fri., Sun. with announcement in **Italian.** – Mo., Wed., Thurs., Sat. with announcement in German.
ANNOUNCEMENTS: English: "This is Bucarest calling on the... meter wavelengths". – **French:** "Ici Bucarest sur...". – **German:** "Hier ist Bukarest auf den Welleängen von... mit der Sendung in deutscher Sprache". – **Italian:** "Parla Bucarest. E'Bucarest che parla sulle lunghezze d'onda di metri...". – **Spanish:** "Buenos noches estimados oyentes Radio Bucarest comienza su emision en lengua espanoela per campos de onda de... metros." – **Rumanian:** Aici Bucuresti, aici Bucuresti, pe... metri lungimi de unda. Ascultati emisiunea in limba ronuna pentru America de Nord".
INTERVAL-SIGNAL:



VERIFICATION by QSL-card or letter. No return postage required

SAAR

RADIO SAARBRÜCKEN (G.m.b.H.-private)

ADDRESS: Wartburg, Martin Lutherstrasse 12. Saarbrücken.

LEADING PERSONALITIES: General Director: Prof. H. M. Goergen. Dir. Tec.: Ing. F. Glasow. Secr. of Progr.: Dr. Friedberger. Chief of Produktion: O. Möbius.

HOME SERVICE in German:
1421 kc/s 211.1 m 20 kW 1st programme
96.0 mc/s (FM) 0.25 – 2nd programme

1st Programme: Mo., Tues., Thurs., Fri.: 04.57–08.00, 10.00–13.45, 16.30–23.05. Wed., Sat.: 04.57–08.00, 10.00–23.05. Sun.: 04.57–23.05.
N.: 05.00 (W.), 06.00, 07.30 (W.), 07.00 (Sun.), 11.00 (Sun.), 11.45 (W.), 13.30 (W.), 17.00 (W.), 19.00 (Sun.) 19.30 (W.), 21.00, 23.00.
2nd Programme (FM): W. 17.05–21.15 Sun. 04.57–23.05.
News: Sun. 19.00, W. 18.30.
ANNOUNCEMENT: "Saarländischer Rundfunk, Saarbrücken".
INTERVAL-SIGNAL: Folksong "Kein schöner Land in dieser Zeit"

VERIFICATION by QSL-card.

EUROPE 1 (Comm.)

ADDRESS: Télécompagnie, 26 bis, rue François. 1er Paris 8e. LEADING PERSONALITIES: Dir. Gen.: Louis Merlin. Dir. Prgrs.: Lucien Morice, Pierre Delanoë.
STATIONS: 182 kc/s, 1647 m, 400 kW.: D. 05.30(Sun. 06.00)–22.00

SPAIN

RADIO NACIONAL DE ESPANA (Govt.)

ADDRESS: Castellana no. 42. Studios: Castellana no. 40 y Martinez de la Rosa no. 1, Madrid.

LEADING PERSONALITIES: Dir. Progr. and Transmissions: Sr. D. Jose-Ramon Alonso. Dir. Tec.: Sr. D. Francisco Moyano. Dir. Tec. for new transmitters: Sr. D. Ernesto F. Marrero. Chief of Studios: Sr. D. Maximo Estevez. Dir. Spanish Progr.: Sr. D. Victoriano F. de Asis. Dir. Foreign-Language Progr.: Sr. D. Luis de Andres. Dir. Music: Sr. D. Enrique Franco. Dir. Coordination: Sr. D. Anibal Arias. Dir. Department for lower frequencies: Sr. D. Fermin Mestre. Adm.: Sr. D. Enrique Frax.

HOME SERVICE in Spanish:

	kc/s	m	kW		kc/s	m	kW
Madrid-Arganda	585	513.7	150*)	Huelva	850	352.9	0.25
Madrid-Local	1025	292.5	5**)	Malaga	1000	300.0	5
Sevilla	638	470.5	5	Cuenca	1178	254.5	10
La Coruña	701	428	20	Valencia	1383	216.6	1
Barcelona	737	407	30	Malaga	6209	48.31	2.5
				Madrid	5990	50.08	100

*) 2' Progr. **) 1' and 3' Progr.

FIRST PROGRAMME: On 1025/5990 kc/s: 07.00–12.00.

NATIONAL PROGRAMME: On 585 kc/s. 12.00–24.00. On 1025 kc/s. 12.00–21.15. On 5990 kc/s. 12.00–17.00.

THIRD PROGRAMME: On 1025 kc/s. 21.30–23.30.

INTERVAL-SIGNAL: Campanitas. – Opening Tune: Cabalgata. Closes with National Anthem.

FOREIGN SERVICE

Madrid-Arganda: 50/100/200

6135	kc/s	48.90 m	9678	kc/s	31.00 m
7100	–	42.25 –	15635	–	19.00 –
9360	–	32.04 –	15641	–	19.18 –

EUROPEAN SERVICE:

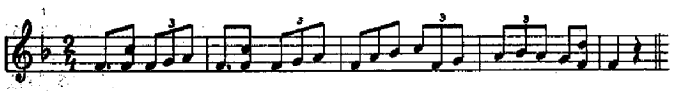
Bulgarian: 16.40–16.50 9360 kc/s. – **English:** 21.10–21.45 9360 kc/s. – **Estonian:** 17.00–17.10 7100/9360 kc/s. – **French:** 20.40–21.10 7100/9360 kc/s. – **German:** 20.20–20.40 7100–9360 kc/s. – **Hungarian:** 18.15–18.35 7100/9360 kc/s. – **Italian:** 20.00–20.20 7100/9360 kc/s. – **Latvian:** 16.50–17.00 7100/9360 kc/s. – **Lithuanian:** 17.10–17.25 7100/9360 kc/s. – **Rumanian:** 17.55–18.15 7100/9360 kc/s. – **Russian:** 18.35–19.00 7100/9360 kc/s. – **Slovak and Ukrainian:** 17.25–17.40 7100/9360 kc/s. – **Spanish:** 11.30–11.59 1025/5990 kc/s.

OVERSEAS SERVICE:

Arabic: 14.45–15,15 on 9360 kc/s. – 19.00–19.30 on 9360 kc/s. – **Chinese:** 14.15–14.45 on 9360 /15635kc/s. – **English:** 23.00–23.50 on 9360 kc/s to U.S.A. (East Coast) – 03.10–04.00 on 9360 kc/s to U.S.A. (West Coast). – **Portuguese:** 15.35–16.00 on 9360 kc/s to Brazil. – **Spanish:** 13.30–14.15 on 15635 15641 kc/s to Philippines. – 16.00–16.30 on 9678/15636 kc/s to Guinea/W. Africa. – 22.00–22.50 on 6135/9360 kc/s to America. – 23.45–03.00 on 6135/9360 kc/s to Latin-America.

ANNOUNCEMENT: "R. Nacional de España, Madrid" in different languages exc. for N. America Sce.: "The Voice of Spain".

NTERVAL-SIGNAL: Gong and the following tune:



VERIFICATION by QSL-card or letter.

RED DE EMISORAS DEL MOVIMIENTO (R.E.M.)

(Broadcasting system of the Falange)

The Red de Emisoras del Movimiento belongs to the Secretaria Nacional de Radiodifusión, the Press and Propaganda Dept. of the Falange.

ADDRESS: Red de Emisoras del Movimiento. – Puerta del Sol n° 11, Madrid.

LEADING PERSONALITIES: Pres. Counc. Exmo. Sr. D. Raimundo Fernandez Cuesta. National Delegate: D. Juan José Pradera; National Secretary: José Luis-Garcia Casás.

STATIONS (Medium Waves):

Call	Name	kc/s	m	kW	Hours of Transmission
EFE 1	LaVozdeValladolid	1.300	230	1	12.30–16.00, 19.30–24.00 Thurs. 12.30–00.30
EFE 2	R. Teruel	1.500	200	2	13.00–15.30, 21.00–24.00
EFE 4	R. Palencia	1.415	212	1	13.00–15.00, 20.00–24.00
EFE 5	La Voz de León	1.190	252	1	11.00–17.00, 18.30–00.30
EFE 6	R. Caceres	1.500	200	1	13.00–15.00, 20.00–24.00
EFE 7	R. Denia	1.403	213	0.4	12.30–16.00, 19.30–23.30
EFE 8	La Voz de Alicante	1.300	230	2	08.00–09.30, 12.00–16.30 18.00–00.30
EFE 9	R. Villafranca del Panades	1.300	231	1	13.00–15.00, 20.00–23.00
EFE 10	R. Alava	1.550	194	0.2	12.00–16.00, 19.00–24.00
EFE 11	R. Utiel	1.425	210	0.2	13.00–16.00, 21.00–24.00
EFE 12	R. Monovar	1.575	196	0.1	12.30–15.00, 19.30–24.00
EFE 13	R. Sagunto	1.440	205	1	12.00–16.00, 19.00–24.00
EFE 14	La Voz de Madrid	1.223	245	20	09.00–24.00
EFE 15	R. Ferrol	1.376	218	0.25	12.15–15.30, 20.00–24.00
EFE 16	R. Puigcerdá	1.500	200	0,2	12.00–15.00, 18.45–22.15
EFE 17	R. Alerta	1.525	197	5	13.00–00.30
EFE 18	R. Jativa	1.500	200	0.5	12.00–15.00, 19.30–23.00
EFE 20	R. Ripoll	1.200	250	0.1	21.00–23.00, Sun. 13.00–15.00, 21.00–23.00
EFE 21	R. Cazorla	1.500	200	0.1	15.00–17.00, Thurs. Sun.
EFE 22	R. Oviedo	1.408	213	5	10.00–17.00, 19.30–24.00 Sun. 13.00–15.30, 19.00–24.00
EFE 24	R. Orihuela	1.400	214	0.2	12.00–15.00, 18.00–24.00
EFE 25	R. Cantabria (Santander)	1.398	210	1	12.00–24.00
EFE 26	R. Luarca	1.435	210	0.4	12.00–15.00, 20.00–23.00
EFE 27	R. Maresma de Mataró	1.442	208	0.2	12.30–15.00, 19.00–23.00
EFE 28	R. Tortosa	1.500	200	0.5	13.00–15.30, 19.30–23.00
EFE 29	R. Tudela	1.500	200	2	13.00–15.00, 20.00–21.00
EFE 32	R. Avila	1.255	239	1	13.00–16.30, 20.00–23.00
EFE 33	R. Tarragona	1.570	191	0.2	12.30–15.00, 19.00–24.00
EFE 34	R. Atlantico (Las Palmas)	1.500	200	2	11.00–15.00, 19.00–24.00
EFE 35	R. Tarrega	1.500	200	0.4	13.00–15.00, 19.30–23.00
EFE 38	R. Badajoz	1.500	200	2	11.00–15.00, 19.00–24.00
EFE 39	R. Berga	1.442	208	0.2	12.00–15.00, 19.00–23.00 Sun. 12.00–17.00, 21.00–23.00
EFE 40	La Voz de la Costa-Brava (Palamos)	1.408	213	0.4	12.30–14.30, 21.00–23.30
EFE 41	R. Olot	1.344	223	0.2	12.00–16.00, 19.00–23.00
EFE 42	R. Sueca	1.475	203	0.5	12.00–15.00, 20.00–00.30
EFE 44	R. Picasent	1.530	196	0.1	15.00–16.00, 20.00–24.00
EFE 43	R. Requena	1.490	201	0.5	13.00–16.00, 21.00–24.00
EFE 45	La Voz de Granada	1.400	214	0.1	12.00–16.00, 20.00–22.00
EFE 46	R. Guadasuar	1.300	231	0.1	13.00–15.00, 19.15–23.00
EFE 47	R. Cullera	1.480	203	0.2	13.00–16.00, 19.15–20.00
EFE 48	R. Carlet	1.535	197	0.4	13.30–15.30, 20.00–23.00
EFE 49	R. Chelva	1.325	226	0.1	13.00–15.00, 22.00–24.00
EFE 50	R. Hospitalet	1.034	285	1	12.00–23.30
EFE 51	R. Mora de Ebro	1.500	200	0.1	13.00–15.00, 20.30–23.00
EFE 52	R. Vendrell	1.370	217	0.1	12.30–15.30, 20.00–23.00
EFE 53	R. Roda de Ter	1.350	222	0.1	13.00–15.00, 20.00–22.00
EFE 54	R. Cardona	1.500	200	0.1	13.00–15.00, 20.00–22.00
EFE 55	R. Ausona (Vich)	1.550	193	0.6	12.00–16.00, 19.00–23.00
EFE 56	R. Blanes	1.250	240	0.2	12.45–15.00, 20.00–23.00
EFE 59	R. Manises	1.200	250	0.3	
EFE 60	R. Velez Rubio	1.376	218	0.2	15.00–17.00, 20.00–22.00
EFE 61	R. Adra	1.500	200	0.1	13.30–16.00, 20.30–23.00
EFE 62	R. Berja	1.875	160	0.1	13.30–16.00, 20.00–23.00

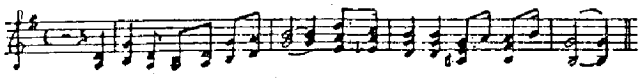
Short Wave.

EFE 3	LaVoz de la Falange Madrid	7.380	40.06	5	19.20–21.30, 23.00-01.00

Main Station of the R.E.M.: EFE 14 La Voz de Madrid, **Leading Personalities:** Dir. Teodoro Delgrado Pomata. Dir. Prgr: M. Garcia. **Directors:** EFE 1 A. Santiago; EFE 3, T. Delgado; EFE 4, E. Gonzales; EFE 5, F. M. Miraz; EFE 6, F. Garcia; EFE 7, J. Sanz; EFE 8, J. L. Ferrer; EFE 9, A. Chulvi; EFE 10, R. Gutierrez; EFE 15, J.M.López; EFE 16, J. Vinyet; EFE 17, V. Beta; EFE 22, F. Arias de Velasco; EFE 25, F. Caceres; EFE 33, J. M. Tarrasa; EFE 50, C. Gomez;

ANNOUNCEMENT: "EFE... La Voz de..." or "Radio... de la Red de Emisoras del Movimiento".

INTERVAL-SIGNAL:



VERIFICATION by letter.

The schoolstations of the Youth (del Frente de Juventudes) listed below also belongs to the Red de Emisoras del Movimiento (R.E.M.).

RADIO NACIONAL DE ESPANA

HABLA PARA EL MUNDO

En eslovaco y ucraniano: de 18,25 a 18,40 horas por 32,04 y 42,25 mts.
En portugués: de 16,35 a 17,00 horas por 32,04 mts.
En rumano: de 18,55 a 19,15 horas por 32,04 y 42,25 mts.
En hungaro: de 19,15 a 19,35 horas por 32,04 y 42,25 mts.
En ruso: de 19,35 a 20,00 horas por 32,04 y 42,25 mts.
En polaco: de 20,30 a 21,00 horas por 32,04 y 42,25 mts.
En italiano: de 21,00 a 21,20 horas por 32,04 y 42,25 mts.
En alemán: de 21,20 a 21,40 horas por 32,04 y 42,25 mts.
En francés: de 21,40 a 22,10 horas por 32,04 y 42,25 mts.
En árabe: de 15,45 a 16,15 y de 20,00 a 20,30 horas por 32,04 mts.
En chino: de 15,15 a 15,45 horas por 32,04 y 19,00 mts.
En bulgaro: de 17,40 a 17,50 horas por 32,04 mts.
En letón: de 17,50 a 18,00 horas por 32,04 y 42,25 mts.
En estoniano: de 18,00 a 18,10 horas por 32,04 y 42,25 mts.
En lituano: de 18,10 a 18,25 horas por 32,04 y 42,25 mts.
En inglés: (Para EE.UU. Costa Atlántica) de las 24,00 a las 00,50 horas por 32,04 mts.
(Para EE.UU. Costa del Pacífico) de las 4,10 a las 5.00 horas por 32,04 mts.
(Para Inglaterra) de las 22,10 a las 22,45 horas por 32,04 mts.
En español: (Para Hispanoamérica) de 00,45 a 4,00 horas por 32,04 y 48,90 mts.
(Para los españoles residentes en América) de las 23,00 a las 23,50 horas por 32,04 y 48,90 mts.
(Para Filipinas) de las 14,30 a las 15,15 horas por 19,18 y 19,00 mts.
(Para los españoles residentes en el extranjero) de 12,30 a 12,59 horas por 292,5 y 50 mts.
(Guinea y Africa occid.) de 17,00 a 17,30 horas por 19,02 y 31,00 mts.

Veintiocho servicios informativos, en dieciocho idiomas, llevan asi a todos los paises LA VOZ DE ESPANA.

RADIO NACIONAL DE ESPANA

SPEAKS TO THE WORLD

In Slovac and Ukranian: From 18,25 to 18,40 on 32,04 and 42,25 m.
In Portuguese: From 16,35 to 17,00 on 32,04 m.
In Rumanian: From 18,55 to 19,15 on 32,04 and 42,25 m.
In Hungarian: From 19,15 to 19,35 on 32,04 and 42,25 m.
In Russian: From 19,35 to 20,00 on 32,04 and 42,25 m.
In Polish: From 20,30 to 21,00 on 32,04 and 42,25 m.
In Italian: From 21,00 to 21,20 on 32,04 and 42,25 m.
In German: From 21,20 to 21,40 on 32,04 and 42,25 m.
In French: From 21,40 to 22,10 on 32,04 and 42,25 m.
In Arabic: From 15,45 to 16,15 and 20,00 to 20,30 on 32,04 m.
In Chinese: From 15,15 to 15,45 on 32,04 and 19,00 m.
In Bulgarian: From 17,40 to 17,50 on 32,04 m.
In Latvian: From 17,50 to 18,00 on 32,04 and 42,25 m.
In Esthonian: From 18,00 to 18,10 on 32,04 and 42,25 m.
In Lithuanian: From 18,10 to 18,25 on 32,04 and 42,25 m.
In English: (to USA Atlantic Coast): From 24,00 to 00,50 on 32,04 m.
(to USA Pacific Coast): From 04,10 to 05,00 on 32,04 m.
(to Gt. Britain): From 22,10 to 22,45 on 32,04 m.
In Spanish: (to Latin America): From 00,45 to 04,00 on 32,04 and 48,90 m.
(to Spains abroad living outside America): From 23,00 to 23,50 on 32,04 and 48,90 m.
(to Philippines): From 14,30 to 15,15 on 19,18 and 19,00 m.
(to Spains abroad): From 12,30 to 12,59 on 292,5 and 50 m.
(to Guinea and West Africa): From 17,00 to 17,30 on 19,02 and 31,00 m.

THE VOICE OF SPAIN brings twenty eight informatory broadcasts in eighteen languages to all countries.

SERVICIO NACIONAL DE RADIODIFUSION Y CINE DEL FRENTE JUVENTUDES (Educational)

ADDRESS: Diego de León, Madrid.
LEADING PERSONALITIES: Dir.: A. Arias Ruiz. General-Secretary: G. B. Marco. Dir. Tec.: F. D. Guerra. Technical Inspector: M. S. Sagredo. Dir. Progr.: F. R. Puertos. Chief Editor: M. R. Zuasti. Adm. D. T. Isaia Ramirez. Dir. School Section.: D. M. Suaz Perez.
STATIONS: R. SEU from 17.00-23.00. All other stations: 18.00-22.00.
Medium Waves:

kc/s	m	kW	Call	Name of Station
753	398.0	0.8	EFJ23	R. Juventud de Albacete
836	358.8	1	EFJ15	R. Juventud de Barcelona
836	358.8	0.4	EFJ16	R. Merida de Badajoz
857	350.1	0.8	EFJ28	R. Baza de Granada
1205	249.0	0.8	EFJ22	R. Menorca de Baleares
1205	249.0	0.5	EFJ11	R. Juventud de la Coruna
1250	240.0	6	EFJ1	R. SEU, Madrid
1322	226.0	0.8	EFJ19	R. Juventud de Murcia
1322	226.0	0.4	EFJ8	R. Ribadavia de Orense
1322	226.0	0.4	EFJ18	R. Villacarillo
1322	226.0	0.4	EFJ20	R. Villanueva del Jaen
1322	226.0	0.4	EFJ17	R. Ayora Valencia
1345	223.0	2	EFJ46	R. Juventud de Zaragoza
1367	219.4	0.8	EFJ25	R. Juventud de Almeria
1367	219.4	0.8	EFJ36	R. Alcaniz
1367	219.4	0.8	EFJ57	R. Juventud de Canarras
1367	219.4	2	EFJ43	R. Juventud de Vizcaya
1403	213.5	0.4	EFJ6	R. Almansa
1408	213.0	2	EFJ5	R. Juventud de Cadiz
1429	209.9	1	EFJ55	R. Campo de Gibraltar
1502	199.7	0.8	EFJ34	R. Osuna, Sevilla
1502	199.7	0.8	EFJ10	R. Algemesi, Valencia
1502	199.7	0.8	EFJ35	R. Burjasot, Valencia
1511	198.5	0.8	EFJ2	R. Soria
1554	193.0	0.8	EFJ31	R. Balagueri, Lerida

+ 35 low power stations less 0.5 kW.
Short Wave: 7200 kc/s 41.67 m 1 kW m.w. 1250 R. SEU, Madrid.

DIRECTORS: Nacional, D. Arias Ruiz; no. 2, Iciz Uriz;no. 5, Cercadillo; no. 6, Jiménez García; no. 10, D. Castell Fraquet; no. 11, D. Alberto Tabernero; no. 14, D. Torras Viver; no. 15, D. de Sarraga Samper; no. 16, D. Rabanal Brito; no. 17, D. Gavidia Avila; no. 18, D. Coronado Moya; no. 19, D. Luis Alvarez Pastor; no. 20, D. Ricardo López López; no. 22, D. Andres Casanovas; no. 23, D. León Cuenca Enguidanos; no. 25, D. Baldomero Ferrer; no 28, D. Andres Navarro Pinillos; no. 31, D. Manuel Herrero García; no. 34, D. Bernardo Mariín García; no. 35, D. José María Llavata Cuevas; no. 36, D. Mario Pablo Burillo Cafel; no. 43, D. Constantino Jiménez Fernandez; no. 46, D. José Manuel Sierra; no. 55, D. Javier Maestre Torregrosa; no. 57, D. Luis López Espinosa.
ANNOUNCEMENT: "Habla Radio" ... Estacion Escuela no. ... del Frente de Juventudes".
INTERVAL-SIGNAL: March-Song of Frente de Juventudes "Unico-Capitan". – Opening: Trumpet.
VERIFICATION by QSL-card or letter.

PUBLICATION: Monthly: Cine – Radio – Television.

SHORT WAVE STATIONS reported by listeners:

kc/s	m	kW	Call	m.w.	Name of Station
7100	42.25	0.015	FFJ8	1322	R. Ribadovia
7100	42.25	0.06	FFJ18	1322	R. Villacorrillo
7126	42.12	0.04	FFJ20	1322	R. Villanueva del Arzobispo
7140	42.01	0.06	FFJ16	836	R. Merida
7200	41.67	0.04	FFJ36	1367	R. Alcaniz
7260	41.32	0.045	FFJ17	1322	R. Ayora
7281	41.20	0.04	FFJ6	1403	R. Almansa
6976	43.00	0.06	31		La Voz de Vigo
6993	42.90	0.5	5	1190	La Voz de Leon
7000	42.86	0.3	34	1500	R. Atlantico, Las Palmas*).
7135	42.05	0.25	22	1400	R. Oviedo
7200	41.67	2	1500		R. Teruel
7380	40.65	1	3		La Voz de la Falange, Madrid
7500	40.00	0.08	32	1255	R. Avila
7500	40.00	0.04	30		La Voz de Ceuta, Ceuta (Morocco.
9490	31.61	0.3	34	1500	R. Atlantico, Las Palmas*).

SOCIEDAD ESPANOLA DE RADIODIFUSION (Comm.)

ADDRESS: Avenida de Jose Antonio num. 32, P. O. Box 745, Madrid. Cable: SER, Madrid.
LEADING PERSONALITIES: Pres.: Don Antonio Garrigues y Diaz-Cañabate. Dir. Gen.: D. Virgilio Oñate Sanchez. Dir. Tec.: D. Francisco Martinez Gonzales. Dir. Progr.: D. Manuel Aznar. Dir. Adm.: Don Pedro Estaun. Dir. Transm.: D. Manuel Rodriguez Cano. Dir. Information and Promotion: Srta. Maria Josefa Rubio.

HOME SERVICE (National Service) in Spanish:

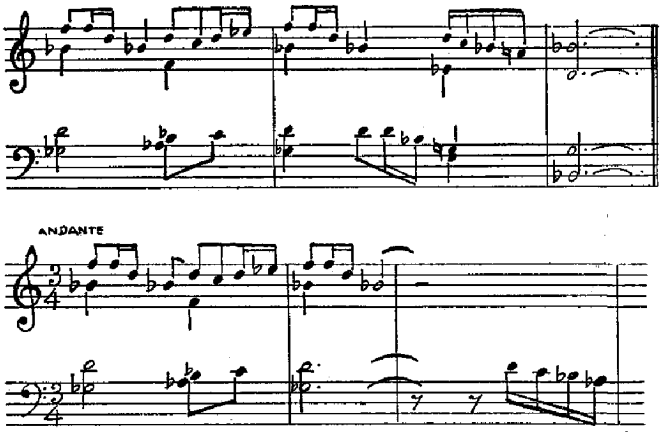
Name	Calll.	kc/s	m	kW	Hours of Transmission
R. Madrid	EAJ7	782	383.6	15	07.00–24.00
R. Barcelona	EAJ1	809	370.8	10	06.00–07.45, 09.00–24.00
R. Valencia	EAJ3	1259	238.3	5	11.00–24.00
R. Galicia	EAJ4	1448	207.2	0.2	12.30–15.00, 19.00–23.00
R. Sevilla	EAJ5	800	375.0	5	12.00–15.00, 16.00–24.00
R. San Sebastian	EAJ8	1025	292.7	5	11.00–15.00, 17.00–23.00
R. Reus	EAJ11	1412	212.5	0.2	11.00–15.30, 17.30–23.30
R. Bilbao	EAJ28	1133	264.8	2.5	09.00–23.00
R. Alicante	EAJ31	1448	207.2	0.2	07.30–08.30, 11.00–15.00 17.30–23.30
R. Alcira	EAJ54	1493	200.9	0.2	11.00–17.00, 18.25–24.00
R. Mediterraneo		6995	42.89	1	11.00–15.00, 18.00–23.00

ASSOCIATED STATIONS:

R. Tanger International	1232 kc/s	243.5 m	50 kW
	1079 –	278.0 –	10 –
	6110 –	49.10 –	1.25 –

R. Mallorca (Palma de Mallorca)	EAJ13	1439	208.5	1	11.00–15.00, 17.00–23.00
R. Castellon	EAJ14	1403	213.8	0.35	11.00–15.00, 18.00–23.00
R. Granada	EAJ16	1448	207.2	1	12.00–15.00, 18.00–23.00
R. Murcia	EAJ17	1493	200.9	0.2	11.00–15.00, 17.00–23.00
R. Huesca	EAJ22	1475	203.4	0.2	12.00–14.30, 20.00–23.00
R. Gandia	EAJ23	1412	212.5	0.5	12.00–15.00, 17.00–23.00
R. Castilla (Burgos)	EAJ27	1448	207.2	9	11.00–15.00, 16.00–23.00
R. Santander	EAJ32	1484	202.2	0.2	11.00–15.30, 17.00–24.00
R. Pontevedra	EAJ40	1493	200.9	0.7	12.00–15.00, 17.00–23.00
R. Coruña	EAJ41	1500	200.0	0.2	12.00–15.00, 18.00–23.00
R. Albacete	EAJ44	1493	200.9	0.4	12.00–15.00, 18.25–24.00
R. Valladolid	EAJ47	1475	203.4	0.2	12.00–15.00, 18.45–23.00
R. Las Palmas	EAJ50	1313	228.5	0.2	10.30–14.30, 17.00–23.00
R. Extremadura*)	EAJ52	1484	202.2	0.6	12.00–14.30, 17.00–22.00
R. Salamanca	EAJ56	1331	225.4	0.2	12.00–15.00, 17.30–23.30
R. Jerez**)	EAJ58	1492	201.1	0.2	12.00–15.00, 17.00–23.00
R. Jaen	EAJ61	1450	207.0	1	12.00–15.30, 17.00–23.30
R. Vitoria	EAJ62	1385	216.6	1	09.00–23.00
R. Ciudad Real	EAJ65	1493	200.9	0.2	12.00–15.00, 17.30–23.00
R. Zamora	EAJ72	1375	214.0	0.2	12.00–15.00, 17.00–23.00

*) Badajoz. **) Jerez de la Frontera.
Radio Madrid:
Religious Progr.: W. 11.00–11.05, Mo. 17.30–18.00, Sun. 08.30–10.00. **Request Progr.**: Mo.–Fri. 11.05–12.00, 19.00–19.30, Sat. 11.05–12.00. 15.30–16.00, 19.00–19.30. **Progr. Preview**: D. 07.00, 13.45, 21.15. **News**: W. 07.30, 10.00, 13.10, 18.30, 21.00. Sun. 10.00, 13.10, 21.00. **Time-Sig.**: W. 07.00. Sun. 08.30.
ANNOUNCEMENT: **Spanish**: "Esta es la Sociedad Española de Radiodifusion por su Emisora EAJ...". **English**: "This is the Spanish Broadcasting Society...".
INTERVAL-SIGNAL:



VERIFICATION by letter. Return postage not required.

COMPANIA DE RADIODIFUSION INTERCONTINENTAL (Comm.)

ADDRESS: Diego de Leon, 50 Madrid. Cable: "Ondatlantica".
LEADING PERSONALITIES: President: Sr. Don Valentin Ruiz Senén, Excmo.: Sr. Don Ramon Serrano Suñer. Director: Don Dionisio Ridruejo.

HOME SERVICE in Spanish:
Madrid 953 kc/s 314.6 m 15 kW: 12.00–24.00.
N.: from R. Nacional: 13.30, 21.00 (all stations). – **Request Progr.**: 12.00–13.00, 16.00–17.00. – **Symphony**: D. 17.00–18.00.

ANNOUNCEMENT: "Aqui Madrid Emisora Radio Intercontinental". INTERVAL-SIGNAL: Opens and closes with "Pan y Toros".

AFFILIATED STATIONS:

R. Alcoy	1490 kc/s	201 m	0.8 kW	12.00–23.00
R. Algeciras	1500 –	200 –	0.2 –	12.00–23.00
R. Levante Alicante	7940 –	37.78 –	1.2 –	12.00–23.00
R. Almeria	1492 –	201 –	0.2 –	12.00–23.00
R. Caceres	1500 –	200 –	1 –	13.00–23.00
R. Cadiz	1495 –	201 –	0.2 –	13.00–23.30
R. Córdoba	1447 –	207 –	0.2 –	12.00–22.30
R. España Barcelona	1123 –	267 –	3 –	11.30–14.00 16.00–17.30 18.30–22.00
R. España Gerona	1449 –	207 –	0.2 –	12.00–23.00
R. Gijon	1492 –	201 –	0.2 –	12.00–22.30
R. Huelva	850 –	352 –	2 –	13.00–23.00
R. Lérida	1492 –	201 –	0.2 –	12.00–23.00
R. Linares	1492 –	201 –	0.2 –	12.00–22.30
R. Lugo	1500 –	200 –	0.2 –	13.00–23.00
R. Malaga	989 –	308 –	8 –	12.00–24.00
R. Manresa	1492 –	201 –	0.2 –	12.00–23.00
R. Melilla	1492 –	201 –	0.2 –	12.00–23.00
R. Onteniente	1500 –	200 –	0.5 –	12.00–23.00
R. Orense	1492 –	200 –	0.2 –	13.00–22.30
R. Asturias Oviedo	1258 –	238 –	0.35 –	12.00–23.00
R. Palencia	1543 –	195 –	0.2 –	12.30–23.30
R. Rioja Logroño	1500 –	200 –	0.2 –	12.00–23.00
R. Tarragona	1579 –	190 –	0.2 –	12.00–23.00
R. FET Valladolid	1448 –	207 –	2 –	11.30–14.00 19.00–22.00
R. Vigo	1492 –	201 –	0.2 –	12.30–23.00
R. Vitoria	1500 –	200 –	0.2 –	12.00–23.00
R. Zaragoza	872 –	344 –	30 –	08.00–09.00 12.00–14.30 18.00–23.00
R. Andorra	998 –	301 –	60 –	11.00–23.00
R. Africa Maghreb	935 –	321.0 –	12 –	07.00–22.00
R. Africa Maghreb	7193 –	41.72 –	5 –	11.30–14.00
R. Africa Tanger	917 –	327 –		
R. Renascença Lisboa	6154 –	48.74 –	7 –	12.00–15.00
R. Renascença Oporto	1169 –	256.6 –	6 –	18.30–24.00

ADDRESSES:

R. Alcoy: B. Nicolás Factor, 2, Alcoy. – R. Algeciras: Apartado no. 15, Algeciras (Cadiz). – R. Almeria: Arapiles 2, Almeria. – R. Caceres: Ronda del Carmen, 4, Cáceres. – R. Cadiz: José del Toro, 10, Cádiz. – R. Córdoba: Alfonso XIII, 26, Córdoba. – R. Espana de Barcelona: Rambla de los Estudios, 8, Barcelona. – R. Espana de Gerona: Forza 8, Gerona. – R. Gijon: Moros, 42, Gijon, (Asturias). – R. Huelva: Gran Vía, 1, Huelva. – R. Lerida: Carmen, 26, Lerida. – R. Linares: Alfonso XIII, 26, Linares. – R. Lugo: Plaza del Angel F. Gómez, 5, Lugo. – R. Malaga: Muelle de Heredia, 10, Malaga. – R. Menresa: Avda Tercio Nuestra Señora de Monserat, 3, Manresa (Barcelona). – R. Melilla: O'Donell, 26, Melilla. – R. Ontenientea Plaza José Antonio, 26, Onteniente. – R. Orense: Tiendas 9/11, Orense. – R. Asturias Oviedo: Marqués de Teverga, 22, Oviedo. – R. Palencia Tte A. Velasco, 6, Palencia. – R. Rioja Logroño: Muro del Carmen, 5, entlo. Logroño. – R. Tarragona: Avda del Generalisimo, 77, Tarragona. – R. FET Valladolid: Santiago, 2, Valladolid. – R. Vigo: Príncipe, 53, Vigo. – R. Vitoria: Postas, 27.2°, Vitoria. – R. Zaragoza: Zurita, 3, Zaragoza. – R. Andorra and R. Africa Tanger: See resp. countries.

RADIO ESPANA

ADDRESS: Manuel Silvela, 9, Madrid.

LEADING PERSONALITIES: Dir. D. M. A. Hernan. Dir. Progr. and Transmissions: D. J. L. Sertucha. Dir. Tec.: D. L. Cáceres.

HOME SERVICE:
Madrid EAJ2 854 kc/s 351.2 m 3.5 kW: 07.00–23.30.

ADDRESS: Rambla de los Estudios 8, Barcelona.

HOME SERVICE:
EAJ15 1124 kc/s 266.9 m 3 kW: 12.30–23.00.

SWEDEN

DISTRIBUTION OF PROGRAMMES: ADDRESS: The Board of Telecommunications, Stockholm 16. Cable: "Gentel".

LEADING PERSONALITIES: Dir. Gen.: H. Sterky. Chief of Radio Division: E. Esping. Chief of Broadcasting Section: K. Ekström.

STATIONS:
Medium Waves:

	kc/s	m	kW		kc/s	m	kW
Luleå	182	1648.4	10	Varberg	1394	215.2	0.2
Motala	191	1570.7	150	Visby	1394	215.2	0.5
Östersund	420	714.3	10	Gävle	1448	207.2	0.5
Sundsvall	593	505.9	150	Hudiksvall	1448	207.2	1.0
Malmberget	773	388.1	2	Västerås	1448	207.2	2.0
Stockholm	773	388.1	55	Örnsköldsv.	1448	207.2	1.5
Göteborg	980	306.1	150	Porjus	1529	196.2	0.075
Hörby	1178	254.7	100	Söderhamn	1529	196.2	0.06
Falun	1223	245.3	100	Umeå	1529	196.2	1.5
Hälsingborg	1394	215.2	1.5	Borås	1562	192.1	2.0
Eskilstuna	1394	215.2	0.5	Halmstad	1562	192.1	2.0
Jönköping	1394	215.2	0.2	Kalmar	1562	192.1	2.0
Karlskrona	1394	215.2	1.5	Karlstad	1562	192.1	0.25
Kiruna	1394	215.2	0.5	Malmö	1562	192.1	2.0
Kristineh.	1394	215.2	0.2	Norrköping	1562	192.1	1.5
Säffle	1394	215.2	0.4	Uddevalla	1562	192.1	0.5
Trollhättan	1394	215.2	2	Örebro	1562	192.1	0.5
Uppsala	1394	215.2	0.5				

Short Waves: (Hörby=H, 100 kW. Motala=M, 12 kW).

kc/s	m		kc/s	m		kc/s	m	
6065	49.46	H	7270	41.27	M	11705	25.63	H
6095	49.22	H	9535	31.46	H	11880	25.25	H
7210	41.61	H	9620	31.19	H	15155	19.80	H

FM: Four provisional FM stations: **Stockholm, Göteborg, Malmö and Örebro**

SWEDISH BROADCASTING CORPORATION (semi-State-owned).

ADDRESS: A/B "Radiotjänst" (Swedish Broadcasting Corporation), Stockholm 7.

LEADING PERSONALITIES: Dir. Gen.: Oluf Rydbeck; Dir. Adm. Erik Mattsson; Prgr. Dir.: Sven Jerring, Coordinator TV. Production: Henrik Hahr; Dir. Music: Julius Rabe; Dir. Drama: Herbert Grevenius, Dir. Tec.: Johan von Utfall; Dir. Publications Dept: Manne Ginsburg.

HOME SERVICE in Swedish:

LONG AND MEDIUM WAVES: W.: 05.15–14.00, 16.00–22.30 (approx.) Sun.: 06.30–22.00 (approx.).
The following long and medium wave stations are generally the most reliable for listeners in Europe: Motala 200 kW, 191 kc/s and Hörby 100 kW, 1178 kc/s.

SHORT WAVES:
05.00–09.00 6065, 7270 kc/s.
09.00–16.00 Nov.–Febr.: 7270, 9620 kc/s. March–Oct.: 7270, 11880 kc/s
16.00–23.00 6065, 7270 kc/s.

N. & Weatherrep.: 05.30 (W.), 07.00, 11.30, 18.00, 21.15. – **Weather Forecast for Swedish Waters:** 16.00. – **Religious Progr.:** Sun.: 10.00–11.00 (approx.) Divine Sce. – **Request Progr.:** Tues. 17.00–18.00; Sat. 16.50–17.00 "Next week's Highligths". – **Progr. Preview:** 05.45(W.), 07.15, 11.10(W.), 11.40(Sun.), 14.00(W.) approx., 16.05, 17.55. – **Bells of the Town Hall in Stockholm:** W.: 11.00. – **Time Sig.:** D.: 11.58–12.00.

SECOND PROGRAMME: FM: 18.30–20.30 (Sat. Sun. 21.15).

ANNOUNCEMENT (National Progr.): "Sveriges Radio...". and the name of the transmitting station. For instance: "Sveriges Radio. Stockholm".

FOREIGN SERVICE:

EUROPEAN SERVICE (One non-directional transmission) 20.00–22.00 on 6095 kc/s, repeated 23.00–01.00 on 1178 kc/s (Hörby).
German: 20.00–20.30, 23.00–23.30. **English:** 20.30–21.00, 23.30–24.00. **French:** 21.00–21.30, 00.00–00.30. **Spanish:** 21.30–21.45, 00.30–00.45. **Portuguese:** 21.45–22.00, 00.45–01.00.

OVERSEAS SERVICE (14 transmissions beamed in 7 directions). I=Sept.–Apr. II=May–Aug. III=Nov.–Feb. IV=March–April and Sep.–Oct. V.=March–Oct. VI=March–Aug. VII= May–Oct. VIII =Sept,–Oct. IX=March–Apr.

FAR EAST: 23.00–23.30, 13.00–14.00.

		I	III	II	VI	VIII
English:	23.00–23.15	9535		11705		
	13.00–13.30		9535		11705	15155
Swedish:	23.15–23.45	9535		11705		
	13.30–14.00		9535		11705	15155

SOUTHERN ASIA: 02.45–03.30, 14.15–15.45.

		III	IX	VII	VI	VIII
English:	02.45–03.00	7210	9535	11705		
	14.15–15.00	9535			11705	15155
Swedish:	03.00–03.30	7210	9535	11705		
	15.00–15.45	9535			11705	15155

MIDDLE EAST: 03.45–04.45, 17.00–17.45.

		III	IV	II
French:	03.45–04.00	7210	9535	11705
English:	04.00–04.15	7210	9535	11705
	17.00–17.15	7210	9535	15155
Swedish:	04.15–04.45	7210	9535	11705
	17.15–17.45	7210	9535	15155

AFRICA: 06.15–07.00, 18.00–19.30.

		III	IV	II
English:	06.15–06.30	15155	15155	15155
	18.00–18.30	9620	11705	15155
Swedish:	06.30–07.00	15155	15155	15155
	18.30–19.00	9620	11705	15155
French:	19.00–19.30	9620	11705	15155

SOUTH AMERICA: 11.00–11.45, 23.00–02.00.

		I	II
English:	11.00–11.15	15155	15155
Swedish:	11.15–11.45	15155	15155
	00.00–01.00	6095	9535
Spanish:	23.00–23.30		
	01.00–01.30	6095	9535
Portuguese:	23.30–24.00		
	01.30–02.00	6095	9535

EASTERN NORTH AMERICA: 12.00–12.45, 00.00–02.30.

English:	12.00–12.45 on	11705 kc/s	whole year.	
	01.00–02.30 on	9620 –	–	–
Swedish:	12.15–12.45 on	11705 –	–	–
	00.00–01.00 on	9620 –	–	–

WESTERN N. AMERICA: 16.00–16.45, 05.00–06.00.

		I	II
English:	16.00–16.15, 05.00–05.30	9535	11705
Swedish:	16.15–16.45, 05.30–06.00	9535	11705

SWEDEN CALLING DX-ers: Every fourth Mo. of the month. at 13.15, 14.45, 18.15, 20,45 and Tues. 01.30.

ANNOUNCEMENT: English: "This is Radio Sweden". – **French:** "Ici Stockholm". **German:** "Hier ist der Schwedische Rundfunk, Stockholm". – **Spanish:** "Habla Estocolmo". – **Portuguese:** "Aqui Estocolmo".

INTERVAL-SIGNAL: The first movement of Carl Michael Bellman's: "Storm och böljor tystna ren".

VERIFICATION by QSL-card. Special questions by letter. No return postage required. **Radio Sweden reserves the right to alter the schedule if necessary.**

PUBLICATIONS: Weekly: "Röster i Radio" (The Voice of the Radio). Monthly: "Hörde ni" (Did you hear that). A folder is published as a free service to listeners and is available in six languages: English, French, German, Spanish, Portuguese and Swedish.
R.Sweden will appreciate all letters and reports on reception of the transmissions. Please write to Radio Sweden, Stockholm 7.

FUTURE PLANS: A new 150 kW transmitter at Stockholm will be ready early 1956.

SWITZERLAND

SWISS BROADCASTING CORPORATION (Working under Government Charter-Non commercial).

ADDRESSES: Schweizerische Rundspruchgesellschaft, Societé Suisse de Radiodiffusion, Swiss Broadcasting Corporation, Societá Svizzera di Radiodiffusione – Neuengasse 30, Berne. Cable: "Radif".
Schweizerischer Kurzwellendienst, Service suisse des Ondes courtes, Swiss Shortwave Service, Neuengasse 23, Berne.
Regional Centres: Radio Zurich, Brunnenhofstrasse 20, Zürich. **Radio Berne**, Schwarztorstrasse 23, Berne. – **Radio-Basel**, Novarastrasse 2, Basel. – **Radio-Lausanne**, Maison de la Radio, La Sallaz, Lausanne. – **Radio-Geneve**, 66, Boulevard Carl Vogt, Genève. – **Radio-Lugano**, Campo Marzio, Lugano.

LEADING PERSONALITIES: President of the Board of Adm.: Dr. Fritz Rothen. Dir. Gen. of S. B. C.: Marcel Bezençon. Head of Adm. and Deputy Dir. Gen.: Georges Conus. Dir of Swiss Shortwave Service: Paul Borsinger. Head of Spoken Word in Swiss Shortwave Service: Hans de May. Head of Television Service: Edouard Haas.
Manager of the Regional Centres: Beromünster: Studio Zürich: Dr. Jakob Job. Studio Berne: Dr. Kurt Schenker. Studio Basel: Dr. Fritz Ernst. **Sottens:** Studio Lausanne: Jean-Pierre Méroz. Studio Genève: Dr. René Dovaz. **Monte Ceneri:** Studio Lugano: Dr. Stelio Molo.

HOME SERVICE:

GERMAN: W: 05.15–06.30, 10.00–13.30, 15.29–22.00. – Sat. 05.15–06.30, 10.00–22.00. – Sun. 05.55–06.45, 08.00–22.00.

Beromünster	529 kc/s	567.1 m	150	kW	
Chur	1367 –	219.5 –	0.5	–	relay
Sool	1367 –	219.5 –	0.5	–	–
Basel	1367 –	219.5 –	0.5	–	–

FM: St. Anton 96.9 mc/s 3 kW relay. Ladir 95.7 mc/s.

N.: 05.15 W, 06.00, 11.30, 18.30, 21.15. – **Weatherrep.:** 06.00, 11.30, 18.30, 21.15. – **Time-Sig.:** 05.20, 05.55, 06.29 (Sun. 06.05), 11.29, 13.29, 15.29, 21.15. – **Preview:** Sun. 06.05, W. 05.55, 18.20. **Symphony:** Tues. 19.00. **Religious:** Sun. 08.00 Protestant Sermon, 08.45 Catholic Sermon. – **Request Progr.:** Mo. 19.00. – **Mailbag:** Mo. 20.00, – **Commentary:** 18.40. Fri. 18.10. – **"World Chronicle"** Mo. 21.20. (Review for Swiss abroad). –

FRENCH: W: 06.10–06.40, 10.00–13.00 (Sat. 22.15), 15.29–22.15. Sun. 06.10–06.40, 07.45–22.15.

Sottens	764 kc/s	392.6 m	150	kW	
Saviése	1367 –	219.5 –	0.5	–	relay.

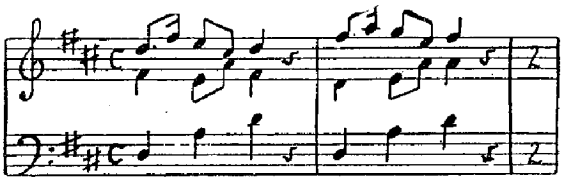
N.: 06.15, 11.45, 18.15, 21.30. – **Weatherrep.:** 06.15, 11.45, 18.15, 21.30. **Time-Sig.:** 06.20, 11.44, 15.29, 18.13. – **Program Preview:** 18.14. – **Symphony:** Wed. 19.30. – **Religious Progr.:** Sun. 07.45 High Mass, 09.00 Protestant. – **Request Progr.:** Sun. 11.30. – **Mailbag:** Wed. 18.50. – **Commentary:** W. 17.50, 18.25 (Fri.: "La situation internationale".)

ITALIAN: W: 06.00–06.45, 10.00–13.00, 16.00–22.00 (Sat. 23.00.) Sun. 06.00–06.45, 08.45–22.00.
Monte Ceneri: 557 kc/s 538.6 m 50 kW.
N.: 06.15, 11.30, 18.15, 21.15. – **Time-Sig.:** 06.20, 11.29, 18.13. – **Progr. Preview:** 18.20. – **Symphony:** Thurs. 19.50. – **Religious Progr.:** Sun. 10.45. **Request Progr.:** W. 17.00. **Mailbag:** Sun. 13.00. **Commentary:** 18.15.

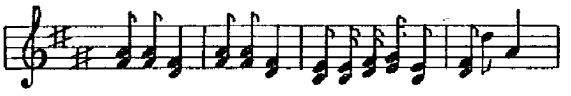
COMMON PROGRAMMES: Mo.–Fri. 10.00–11.15 for **Beromünster, Sottens** and **Monte Ceneri** from the following studios:
Mo. (French), Geneva. – Tues. (Italian), Lugano. – Wed. (French), Lausanne. – Thurs. (German), Berne. – Fri. (German), Zürich. – Sat. (German), Basel.

ANNOUNCEMENTS: Beromünster: "Schweizerischer Landessender Beromünster". – **Sottens:** "Sottens – Emetteur national suisse". – **Monte Ceneri:** "Radio della Svizzera italiana – Stazione nazionale di Monte Ceneri".

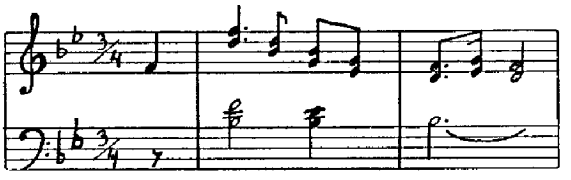
INTERVAL-SIGNALS:
Beromünster: Radio Basel: "Z'Basel a mym Rhy".



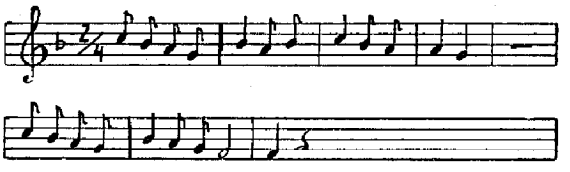
Radio Bern: "D'Zyt isch do".



Radio Zürich: "Chum Bueb und lueg dis Ländli a".

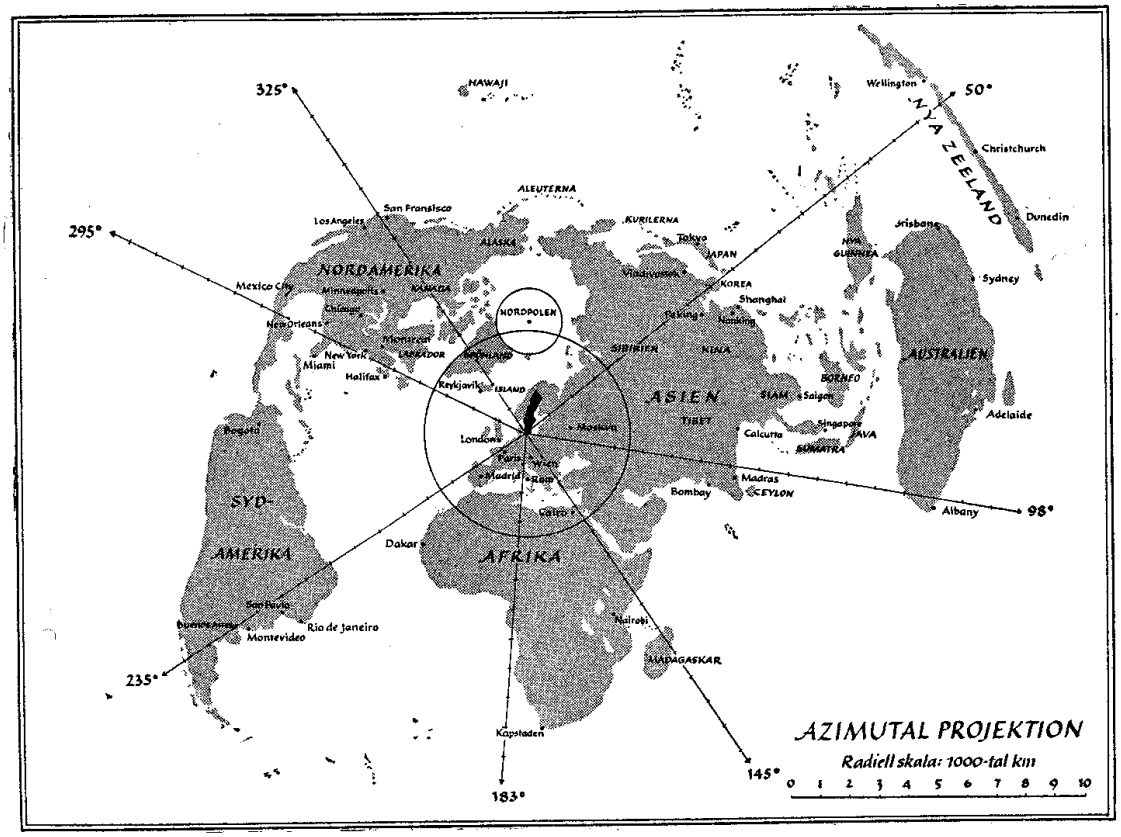


Radio Genève: "Quelle fatale journée" chanson d l'Escalade.



"THIS IS RADIO SWEDEN"

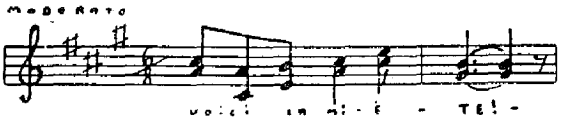
calling the rest of the world with beamed transmissions in six languages daily: **ENGLISH · FRENCH · GERMAN SPANISH · PORTUGUESE · SWEDISH** *and bringing you News, Music & Feature Programmes from Sweden, over Radio Sweden's 100 K/W transmitters.*



See p. 69 – 70 for schedules.

advertisement Radio Sweden

Sottens: Radio Lausanne: "Voici la mi-été".



Monte Ceneri: "Campane delle Chiesa di Pazzalino".

VERIFICATION: Any message of our listeners and viewers are most welcome.

FUTURE PLANS: It is planned to erect a network of FM-transmitters.

FOREIGN SERVICE:

Schwarzenburg: 100 kW.

HER2	6055 kc/s	49.55 m	HEI5	11715 kc/s	25.61 m
HER3	6165 –	48.66 –	HER5	11865 –	25.28 –
HEI3	7210 –	41.61 –	HER6	15305 –	19.60 –
HER4	9535 –	31.46 –	HER7	17784 –	16.87 –
HEU3	9665 –	31.04 –	HER8	21520 –	13.94 –

Our Winter schedule runs from Nov. to Apr. incl.; Summer from May to Oct. In addition, minor frequency charges are made in March for Spring, and in September for autumn. Programme schedules are available free of charge from the Swiss Shortwave Service, Berne, Switzerland.

EUROPEAN SERVICE:

German, French, Italian on 6165/9535. W.: 05.15–07.00, 10.00–13.30. 15.30–22.30. Sat. 05.15–07.00, 10.00–22.30. Sun.: 06.10–22.30. N.: (G=German, F=French). 05.15(G), 06.00(G), 06.15(F), 11.30(G), 11.45(F), 18.15(F), 18.30(G), 21.30(F), 22.20(G).

Esperanto: Tues., Thurs. 11.55 and 17.35.

European Service rebroadcast to Africa: 05.15 (Sun. 06.10)–07.00 on 15305. 10.00–12.30 21520. – 16.30 17784 (14.45–16.30 same programme in English as for India and Pakistan (see Overseas Service)). 18.15–22.30 on 11715 kc/s.

OVERSEAS SERVICE:

English:	Beamed Areas	kc/s
18.45–20.30	U.K. Ireland	6055/9665
01.30–03.15	N. America (I)	6165/9535/11865
04.15–05.00	N. America (II)	6165/9535/11865
07.15–09.45	Australia, N.Z., F. East	11865/17784/21520
12.45–14.30	Japan S. E. Asia	11865/15305/17784
14.45–16.30	India, Pakistan	9665/11865
16.45–18.30	Middle East	9665/11865

Press Reviews, News Comment: D. in all transmissions.
Swiss Popular Music: Sun., Tues., Wed., Sat.
Light Music: Thurs., Fri.
Request Programme: Sat., Mo.
Quiz Programme: Sun.
Sport News: Sun.
Dance Music: Mo., Tues.
Youth Programme: Sat., Sun.
DX-Programme: First Thurs./Fri. of each month
Actuality Programme: Sun., Mo.
Invalids Programme: Wed., Thu.
Women's Programme: Tues., Wd.
Religious: Sun.
Classical Music: Sun., Tues., Thurs.
Assignment Switzerland/World: Sat.
For Swiss Abroad: Mo., Tues. "Soirée Romande". Wed., Thurs. "Serata Ticinese". Fri., Sat. "Schwizerdütsche Heimatabe".

The Winter-Schedule includes a new series: "Science in Switzerland".

Sunspot predictions of the Zurich Observatory for the coming months are put on the air on the 4/5th of every month, in all transmissions, just after the Home News. For Britain and Ireland as well as America on the 4th, for all other countries on the 5th. A service to observatories in other parts of the world.

Spanish:

21.00–22.30	Spain	7210/9665
23.15–00.45	South America	7210/9535/11865
03.30–04.00	Central America	7210/9535

News and commentaries: D.
Request Programme: Sat.
Classical Music: Tues., Thurs., Sun.
Information Desk: Sun., Tues.
Book-reviews: Sun.
Actuality Programme: Thurs.
Swiss Popular Music: D.
Dance Music: Sat.

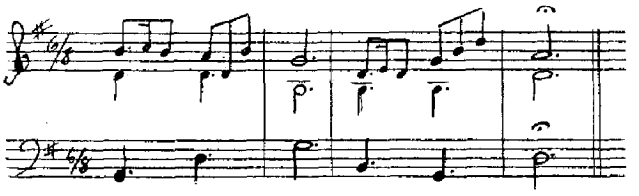
Portuguese:

20.45–21.00	Portugal	7210/9665
23.00–23.15	Brazil	7210/9535/11865

News and Commentaries: D. – **Popular Music:** D. – **Request Progr.:** Sat.

ANNOUNCEMENTS: **English:** "This is Switzerland Calling". – **German:** "Hier spricht die Schweiz". – **French:** "Ici la Súisse". – **Italian:** "Qui è la Svizzera". – **Spanish:** "Habla Súiza". – **Portuguese:** "Aqui Súiça".

INTERVAL-SIGNAL: Lueget vo Bärgen und Tal.



VERIFICATION: We are happy to recieve letters and reception reports which are all replied to or acknowledged by QSL-card and letter.

PUBLICATIONS: Schweitzer Radiozeitung, Berne. – "Radio – Je avis tout", Lousanne. – "Radioprogramma", Lugano. –

UNO BROADCASTING FROM GENEVA

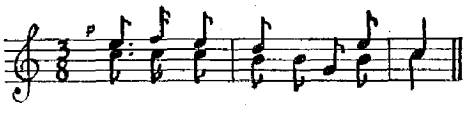
ADDRESS: United Nations Information Center, Genèva. **Cable:** Omnipress, Genèva.

LEADING PERSONALITIES: Dir. of Information Centre: Jerzy Szapiro. Radio Officers: R. Nivelle, Miss Leila Doss.
Stations: HBQ 6675 kc/s 44.94 m 25 kW.
HBX 9515 – 31.53 – 25 –

DAILY PROGRAMS: HBQ has for the time being suspended the English and French transmissions and instead are relaying certain transmissions from UN Headquarters. See UNITED NATIONS. –

ANNOUNCEMENT: "This is the United Nations calling the peoples of the world".

INTERVAL-SIGNAL:



VERIFICATION: Reports answered by QSL-card and letter.

BROADCASTS FROM "COMITÉ INTERNATIONAL DE LA CROIX-ROUGE", GENEVA

CHIEF OF BROADCASTING: Mr. Georges Kuhne.

IN PEACE-TIME: CICR organizes transmissions irregularly on frequencies used by the Swiss Broadcasting Organization.

IN CRITICAL TIMES: CICR broadcasts from one of the studios belonging to the Swiss Broadcasting Organization programmes containing information of search, and use for this purpose suitable frequencies of the Swiss Broadcasting Organization.

U. S. S. R.

ADDRESS: Radio Centre, P.O. Box 787, Moscow.

HOME SERVICE in Russian:

FIRST PROGRAMME: W. 03.00–12.00, 12.45–22.00 (Sat. 23.00). Sun. 03.00–23.00.

kc/s	m	kW	
151	1987	100	03.00–22.00 (Sat., Sun. 23.00).
173	1734	500	03.00–12.00 (Sun. 13.00).
236	1271	100	03.00–22.00 (Sat., Sun. 23.00).
281	1068	100	12.45–22.00 (Sat., Sun. 23.00).
385	779	100	12.45–22.00 (Sat., Sun. 23.00).
971	309	100	03.00–12.00 (Sun. 13.00).

On Short-Waves: During daytime in 19, 25, 31, 41 & 49 m.b. Evening in 41, 49, 50 & 55 m.b.

News: 03.05, 04.00, 05.00, 05.45, 09.00, 13.00, (W.) 16.00, 19.30.

Programme Previews: 03.20, 05.20, 12.45 (for the following day), 16,18 (for the evening). **Actuality:** 16.45 (Sun. 18.00).
Press Reviews: 04.00, 05.45, 09.00, 10.45.

SECOND PROGRAMME: W.: 12.00–22.00. Sun. 05.45–22.00.

kc/s	m	kW	
173	1734	500	12.00(Sun. 13.00)–22.00.
200	1500	100	Sun. 05.45–12.30.
340	882.4	100	16.20–22.00.
548	547.4	100	12.00–13.00. (Sun. 16.00
620	483.9	100	16.20–22.00.
691	433.5	100	16.00–22.00.
809	370.8	100	16.00–22.00.
971	309.0	100	12.00(Sun. 13.00)–22.00.
1124	266.9	100	16.20–22.00.

On Short-Waves: 12.00(Sun. 05.45)–21.00 in 49 m.b. 12.00–14.00 in 31,25 m.b. 14.00(Sun. 12.00)–16.40 in 61,47 m.b. 15.00–22.00 in 55,49 m.b.
News: 12.00, 12.45(W), 16.00, 19.30.

THIRD PROGRAMME: 16.20(Sun. 16.00)–21.00.
548 kc/s 547.4 m 100 kW and in 47, 41 and 31 m.b.

SHORT WAVE STATIONS:
Moscow: 15/50/100.
4380, 4465, 4550, 4634,[1]) 4675, 4890, 5065, 5080,[1]) 5175, 5260,[1]) 5380[1]), 5455, 5480, 5912, 5919, 5922,[1]) 5930, 5940, 5957, 5965, 5970, 5980, 6000, 6010, 6030, 6035, 6040, 6046,[1]) 6060, 6070, 6090, 6100, 6115, 6120, 6130, 6145, 6150, 6160, 6170, 6185, 6195, 6200, 6210, 6405, 6540, 6660,[1]) 6700, 7100, 7115, 7155, 7165, 7177, 7180, 7190, 7200, 7210, 7215, 7225, 7235, 7245, 7255, 7260, 7265, 7272, 7280, 7295, 7300, 7310, 7320, 7330, 7340, 7360, 7370, 7375, 7400, 7420, 7790[1]), 8345,[1]) 8644[1]), 8760,[1]) 8910,[1]) 8915, 9145,[1]) 9230, 9390, 9430, 9470, 9480, 9490, 9515, 9530, 9540, 9545, 9550, 9555, 9565, 9610, 9620, 9625, 9640, 9650, 9655, 9660, 9675, 9680, 9690, 9700, 9710, 9720, 9740, 9750, 9765, 9770, 9780, 9790, 9800, 9850,[1]) 9880,[1]) 11685, 11690 11702, 11710, 11715, 11720, 11725, 11740, 11745, 11755, 11760, 11765, 11780, 11790, 11805, 11810, 11815, 11820, 11825, 11830, 11840, 11850, 11860, 11880, 11890, 11900, 11910, 11920, 11930, 11945, 11954, 11960, 11970, 11980, 12020,[1]) 12270, 12300, 13400,[1]) 14380,[1]) 15040,[1]) 15100, 15110, 15120, 15130, 15140, 15170, 15180, 15200, 15210, 15220, 15230, 15250, 15280, 15300, 15310, 15320,[1]) 15325, 15340, 15360, 15370, 15390, 15400, 15410, 15430, 15440, 15450, 15470, 15540, 17750, 17810, 17820, 17830, 17840,
[1]) Tass transmissions (dictation news).

To Far East:
04.00–10.00 in 49, 31, 25, 19 m.b. – 20.30–21.00 in 50,41 m.b. – 22.30–23.15 in 50, 41 m.b.
News: 20.30–21.00, 22.30–23.00. – **Press Reviews:** 04.00, 04.45, 05.45, 09.00. – **Program Preview:** 23.00, 09.45.

To Western Siberia:
00.00–01.00 in 1935, 1271, 74, 49, 42, 40, 31, 30 m.b.
News: 00.00–00.20.

To Kazakh, Central Asia and Ural:
01.00–03.00 in 1935, 1271, 74, 49, 42, 40, 31, 30 m.b.
News: 01.00–01.20. – **Progr. Preview:** 02.35.

OTHER LONG AND MEDIUM WAVE STATIONS:

Name	kc/s	m	kW	Time of transmissions (Regional programmes)
*)Petropavlovsk	155	1935		21.00–14.00, 20.30–21.00
*)Chita	164	1829		22.00–01.00, 24.00–17.00
*)Alma-Ata	182	1648	10	00.20–08.15, 11.00–19.00
Tbilisi	191	1571	35	02.00–12.00, 13.00–21.05
*)Irkutsk	200	1500	20	22.30–02.00, 04.00–17.30
*)Khabarovsk	200	1500	50	
Kiev I	209	1435	150	03.00–10.00, 13.15–22.00
Baku	218	1376	10	02.30–11.00, 13.00–21.05
*)Krasnoyarsk	218	1376	50	23.00–08.00, 09.00–18.30
*)Vladivostok	245	1224	10	01.00–07.00
*)Tashkent	254	1181	25	00.30–11.00, 12.00–21.05
*)Yakutsk	263	1141	10	22.00–24.00, 02.00–14.00
Leningrad	263	1141	150	
*)Novosibirsk	272	1103	100	23.00–07.00, 09.00–19.00
Minsk	281	1068	100	03.00–12.00
*)Ulan-Ude	281	1068	10	22.30–01.45, 04.00–16.30
*)Khabarovsk	340	894.7	50	
Erivan	364	824.0	50	
*)Sverdlovsk	370	811.0	40	
Kharkov	385	771.0	50	
*)Omsk	390	369	50	
Taschkent	400	750.0	50	
Stalingrad	557	539		04.00–10.00, 13.00–16.00
Kazan	566	530		14.10–17.00
Riga	575	521.7	100	03.00–11.00, 13.00–20.45
Ordzonikidze	593	505.9		04.00–12.00, 14.00–21.05
Petrozavodsk	611	491.0	100	03.00–10.00, 13.00–22.00
*)Frunze	611	491.0	25	00.30–08.00, 12.00–19.00
Gorki	620	483.9	20	03.20–03.45, 13.30–14.30
*)Khabarovsk	629	477	100	
Kharkov	647	463.6	100	
Simferopol	647	463.6	100	
*)Komsomolsk	656	457	100	
Grozny	656	457.3	10	04.00–05.00, 15.00–16.00
Murmansk	656	457.3	150	03.00–11.00, 13.00–21.00
Vilnyus	665	451.1	100	04.00–11.00, 13.00–21.00
Rostov/Don	674	445	50	
*)Ufa	692	433.5	100	02.35–03.00, 13.00–15.30
Tartu (Tallin)	710	422.5	100	
Stalino	710	422.5	100	05.00–11.00, 13.15–21.05
*)Chelyabinsk	737	407.1	100	01.00–03.00, 04.00–07.00 09.00–11.00, 12.45–14.00 15.00–21.00
Rostov	764	392.6	20	
Kiev II	782	383.6	100	
Leningrad	800	375.0	100	04.00–09.20, 10.00–17.00
Kuibyshev	809	370.8	30	04.20–04.35, 15.00–16.00
Kaunas	827	362.8	100	
Erivan	863	348	150	
Moscow	872	344	150	
Stavropol	881	341		07.00–11.00, 15.00–21.05
Dnepropetrovsk	890	337	20	
Makhachkala	917	327.9		03.00–11.00, 13.00–21.05
Ivanovo	926	323.9	10	04.00–05.45, 14.45–16.45
Lvov	935	320.9	100	03.00–12.00, 13.00–18.00
Voronezh	944	318	20	
*Yuzhno Sakhalin	970	309		04.00–15.00, 20.30–21.00 21.30–23.15
Kishinev	998	300.6	100	03.00–12.00, 13.00–18.00
Tallin	1034	290.1	100	03.00–12.00, 13.00–20.45
Saransk	1061	283	1	
Krasnodar	1070	288.4	100	
Mogilev	1106	271.2	10	
Leningrad	1124	267		04.00–12.00, 13.00–22.30
Kaliningrad	1142	262.7	20	05.00–21.00
Odessa	1169	257	150	
Tartu	1214	246.0	20	
Tiraspol	1241	241.7	100	
Odessa	1241	241.7	10	
Madona	1349	222.4	20	
Kaunas	1385	216.8	150	

*) situated outside European area. **) Relay Leningrad.

Other Short Wave Stations:
Alma Ata – 15 kW: 6019, 6149, 8820, 5860, 5900, 6220, 9378, 9669, 11800, 4340, 9350, 9451, 15180, 15000.
Ashkhabad – 15 kW: 6020, 9271, 9593, 6180, 9600, 9680, 9670, 9804, 11720, 11839.
Baku – 2 kW: 4958, 6195, 9840.
Blagoveshchensk – 1 kW: 4956.
Bukhara: 6072.
Chimkent: 4310.
Dzhambul: 5310.
Erivan – 5 kW: 5740, 7150.
Frunze: 4049, 5060.
Gorno Altaysk: 9310.
Guryev – 1 kW: 5150.
Kaunas: 9685.
Khabarovsk – 20 kW: 4273, 4581, 5940,
Kiev – 40 kW: 11785.
Komsomolsk – 50 kW: 6055, 6115, 9565, 9725, 11750, 15230.
Krasnoyarsk: 5710.
Leningrad: 7340, 9600, 9750, 11630, 11885, 15055.
Magadan: 5970, 5830, 6967, 11690.
Molotov: 5485.
Nikolaevsk – 2 kW: 4364, 5230.
Novosibirsk: 5225, 15310.
Petropavlovsk – 50 kW: 5050, 6070, 9545, 9660, 11840, 11885, 15110, 15230.
Petrozavodsk – 10kW: 4995.
Samarkand: 5450.
Stalinabad: 6702, 7201, 7440.
Sverdlovsk: 15270.
Taldy Kurgan: 5305.
Taschkent / 1/5 kW: 6730, 6824.
Tbilisi – 2 kW: 5040, 6050.
Vladivostock – 5 kW: 5015, 6080, 9480.
Yakutsk – 2 kW: 5979.
Yuzhno Sakhalinsk: 4732, 5000.

FOREIGN SERVICE

EUROPEAN SERVICE

*=Concert. metre bands

Albanian
14.30–15.00 221
15.00–15.30 49–231–221(Sun.only)
18.00–18.30 221

Austrian
17.00–17.30 49–41–227–216
18.30–19.00 49–41–227–216
19.30–20.00 49–41–321–227–216
20.30–20.45 49–41–6–227–216
21.30–22.30* 49–321–227–216

Bulgarian
15.00–15.30* 49–41 (Wed. only)
16.30–17.00 363–267–245
17.30–18.00 49–41–257

Czech metre bands
17.00–17.30 470–315–1103–297

Slovak
16.00–16.30 273

Danish
18.30–19.00 49–41–216
20.30–21.00 49
21.30–22.30* 49–522–375–290–216

Dutch
17.30–18.00 49–41
20.00–20.30 49–41
21.30–22.30* 49–522–375–290–227–216

English	metre bands
07.30–08.00	49–41–25–19
18.00–22.00	49–41
22.00–22.30*	49–41–522–375–290–216
Finnish	
09.30–10.00	41–375
18.00–18.30	49–375
19.00–19.30	49–375
20.15–20.45	49–375–247
21.30–22.30*	49–522–375–290
French	
06.00–06.30	49–41–31–25
07.00–07.30	49–41–25
12.15–12.45	25–19
18.00–18.30	49–41
19.00–20.00	49–41–240
21.00–21.30	49–41–321–240
21.30–22.30*	49–41–522–375–290–216
German	
06.30–07.00	49–41–31–25
16.00–17.00	49–41–227–216
17.30–18.30	49–227–216
19.00–19.30	49–227–216
20.00–20.30	49–227–216
20.45–21.30	49–227–216
21.30–22.30*	49–41–522–290–227–216
Greek	
15.30–16.00	49–41–31
18.00–18.30	49–41–321
19.00–19.30	49–41–397–321
20.00–20.30	49–41–397–363–300
Hungarian	
14.30–15.00	556 (Thurs)
15.00–15.30*	49–31(Mo., Fri.)
17.00–17.30	49–41
17.20–18.00	556(Sat.)
17.30–18.00	344(Tues., Fri.)
18.00–18.30	344(Mo.)
18.20–19.00	556(Sun.)
18.30–19.00	344(Wed)
Italian	
11.30–12.00	25–19–16
17.30–18.00	49–41
19.00–20.00	49–41–257
20.30–21.00	49–41–321–240
21.30–22.00	49–41–397–363–321–300–257–240
22.00–22.30*	49–41–321–300
Norwegian	
17.00–18.00	49–375 (Sun. only)
17.30–18.00	49–375(W.)
18.30–19.00	49–375
20.00–20.15	49–375
21.15–21.30	49–522–375–290
21.30–22.30	49–522–375–290–216
Polish	
14.30–15.00	367 (Sun. only)
15.30–16.00*	49–41
16.00–16.30	367 (Mo., Wed., Fri.)
16.00–16.30	1322 (Tues., Thurs., Sat.)
18.30–19.00	49–321
Portuguese	
21.00–21.30	49–41
Rumanian	
13.00–13.30*	1935–397–206–202
15.00–15.30*	49–31(Thurs., Sat.)
17.00–17.30	49–41–31–257
19.00–19.30	351–285–261 (M.,Wed.,Thurs., Sat.)
19.15–19.50	1935–540–206–202 (Tues., Fri.)
Spanish	
20.00–21.00	49–41
21.30–22.30	49–41–31
Swedish	**metre bands**
17.00–18.00	49–375 (Sun. only)
17.00–17.30	49–375 (W. only)
19.30–20.00	49–375
20.45–21.15	49–522–375–290
21.30–22.30*	49–522–375–290–216
Turkish	
10.00–10.30	31–25–19
16.00–16.25	49–41
18.00–18.30	49–41–348–300
19.30–20.00	49–41–300
To Yugoslavia:	
Serbian & Croatian	
15.30–16.00	49–41
18.00–18.30	49–41–257–240
20.00–20.30	49–41–321–257–240
21.00–21.30	49–41–397–363–321–300
Slovene	
16.00–16.30	49–41–257
20.30–21.00	49–41–397–363–300–257
Macedonian	
16.30–17.00	49–41–257
18.30–19.00	49–41–257
Music:	
08.00–16.00	25

OVERSEAS SERVICE

TO NEAR EAST

Arabic	
15.30–16.00	49–41–25
17.30–18.00	49–41–348
18.30–19.30	49–41–348–300
Persian	
09.30–09.55	19–16
14.45–15.25	49–41–25–348
16.30–17.25	49–41–348

TO S. EAST ASIA

Vietnamese	
22.30–22.45	31
10.30–11.00	25–19–16
13.00–13.30	25–19
Indonesian	
11.45–12.15	25–19–16
13.30–14.00	25–19
English	
08.30–08.45	19–16
11.30–11.45	25–19–16
14.00–14.45	25–19–16
Urdu	
08.45–09.00	19–16
14.45–15.30	25–19–16
Bengali	
09.00–09.15	19–16
13.00–14.00	31–25
Hindustani	
09.15–09.30	19–16
15.30–16.00	25–19–16

TO FAR EAST

Chinese	
08.30–09.00	49–41–31–547–477–457–422
10.00–10.30	49–41–31–25–19–16–547–477–457–422
11.00–11.30	49–41–31–25–19–16–547–477–457–422
12.15–13.00	(Cantonese) 25–19–16
14.00–15.00	49–41–31–25–547–457
Japanese	
09.30–10.00	49–41–31–547–477
10.30–11.00	49–41–31–25–19–547–477
12.00–12.45	49–41–25–19–547–477–340
13.15–14.00	49–41–547–477–340
21.30–22.00	49–41–31–547–477
Korean	
09.00–09.30	49–41–31–547–422
11.30–12.00	49–41–25–19–547–477–422
12.45–13.15	49–41–31–25–547–477–422
21.00–21.30	49–41–31–547–477–422
22.00–22.30	49–41–31–547–477–422
Mongolian	
09.30–10.00	25–19–1829–457
13.15–14.00	41–31–25–1829–457

TO NORTH AMERICA (USA)

English	metre bands
23.00–23.20	49–41–31
23.20–00.30	49–41–31–19
00.30–01.30	41–31–19
01.30–04.00	49–41–31–19
04.00–06.00	41–31
06.00–07.00	31

TO LATIN AMERIKA

23.00–24.00	41–31	Portuguese
00.00–02.00	41–31	Spanish

VATICAN STATE

ADDRESS: Vatican Radio, Vatican City. Cable: Vatican-Radio.

LEADING PERSONALITIES: Dir. Gen.: Rev. Prof. Antonio Stefanizzi S. J., Dir. of Progr.: Rev. Francesco Pellegrino S. J.. Dir. Tec.: Dott. Ing. Tullio Gorio.

STATIONS:

Medium Waves:

	kc/s	m	kW		kc/s	m	kW
HV2	773	388.1	2	HV100	1529	196.2	100
HV5	1484	202.2	5				

Short Waves: 5/25/50/100 kW**).

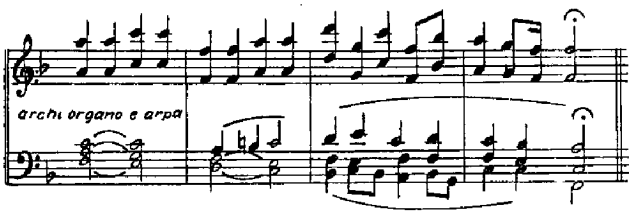
kc/s	m	kc/s	m	kc/s	m	kc/s	m
3955	75.85	7270	41.27	11740	25.55	17735	16.92
5968	50.27	7280	41.21	11940	25.13	17840	16.82
6005	49.96	9550	31.41	15095	19.87	21515	13.94
6030	49.75	9646	31.10	15120	19.84	21740	13.80
6190	48.47	9660	31.06	15385	19.50	25740	11.66
7250	41.38	11685	25.67	17445	17.20	25780	11.64

**) The wave-lengths are subject to change with seasonal variations, or to avoid interference.

	Apr./Sept.	Oct./March
Abyssinian:		
16.45 Tues., Fri.	7280, 9646, 11685, 15120, 1529 kc/s	6190, 7280, 9646, 11685, 1529 kc/s.
Albanian:		
17.30 Tues., Thurs., Sat.	— „ —	— „ —
Arabic:		
17.15 Sun., Tues., Sat.	— „ —	— „ —
Bulgarian:		
17.15 Mo., Thurs.	— „ —	— „ —
10.30 Sun.	— „ —	— „ —
Chinese:		
10.15 Thurs.	15120, 17840 kc/s	11685, 15120 kc/s
Croat:		
14.00 Sat.	7280, 9646, 11685, 15120, 1529 kc/s	7280, 9646, 11685, 15120, 1529 kc/s
17.00 Sun., Mo., Wed., Fri.	— „ —	6190, 7280, 9646, 11685, 1529 kc/s
Czech:		
12.30 D.	7280, 9646, 11685, 15120, 1529 kc/s	7280, 9646, 11685, 15120, 1529 kc/s
19.30 D.	6190, 7280, 9646, 11685, 1529 kc/s	6190, 7280, 9646, 11685, 1529 kc/s
Dutch:		
14.00 Fri.	7280, 9646, 11685, 15120, 1529 kc/s	7280, 9646, 11685, 15120, 1529 kc/s
18.00 Thurs., Sun.	6190, 7280, 9646, 11685, 1529 kc/s	6190, 7280, 9646, 11685, 1529 kc/s
English:		
15.00 D.	7280, 9646, 11685, 15120, 1529 kc/s	7280, 9646, 11685, 15120, 1529 kc/s
18.15 D.	— „ —	6190, 7280, 9646, 11685, 1529 kc/s
16.00 Tues. For India, Pakistan, Ceylon.	11685, 15120 kc/s	9646, 11685 kc/s
French:		
11.45 D.	7280, 9646, 11685, 15120, 1529 kc/s	7280, 9646, 11685, 15120, 1529 kc/s
14.30 D.	— „ —	— „ —
18.45 D.	6190, 7280, 9646, 11685, 1529 kc/s	6190, 7280, 9646, 11685, 1529 kc/s
07.30 Thurs. For W. Africa	15120, 17840 kc/s	15120, 17840 kc/s
German:		
12.45 D.	7280, 9646, 11685, 15120, 1529 kc/s	7280, 9646, 11685, 15120, 1529 kc/s
14.45 D.	— „ —	— „ —
19.45 D.	6190, 7280, 9646, 11685, 1529 kc/s	6190, 7280, 9646, 11685, 1529 kc/s

	Apr./Sept.	Oct./March
Hungarian:		
13.00 D.	7280, 9646, 11685, 15120, 1529 kc/s	7280, 9646, 11685, 15120, 1529 kc/s
21.00 D.	6190, 7280, 9646, 11685, 1529 kc/s	6190, 7280, 9646, 11685, 1529 kc/s
Italian:		
13.30 D.	6190, 9646, 1529, 773 kc/s	6190, 9646, 1529, 773 kc/s
20.00 D.	1529, 773 kc/s	1529, 773 kc/s
20.15 D.	6190, 7280, 9646, 11685, 1529, 773 kc/s	6190, 7280, 9646, 11685, 1529, 773 kc/s
16.00 Fri. For the sick	6190, 7280, 9646, 11685, 1529 kc/s	6190, 7280, 9646 1529 kc/s
07.30 Mo., Wed., Sat. For M. East.	11685, 15120 kc/s	9646, 11685 kc/s
Latin:		
07.50 Mo., Thurs., Sat.	9646, 11685 kc/s	9646, 11685 kc/s
16.45 Mo., Wed., Sat.	7280, 9646, 11685, 15120, 1529 kc/s	6190, 7280, 9646, 11685, 1529 kc/s
21.15 Tues., Wed., Fri.	6190, 7280, 9646, 11685, 1529 kc/s	— „ —
Latvian:		
17.30 Mo., Fri.	7280, 9646, 11685, 15120, 1529 kc/s	6190, 7280, 9646, 11685, 1529 kc/s
Lithuanian:		
14.00 Sun., Tues., Thurs.	— „ —	7280, 9646, 11685, 15120, 1529 kc/s
18.00 Mo., Wed., Sat.	— „ —	6190, 7280, 9646, 11685, 1529 kc/s
07.30 Sun.	9646, 11685, 15120 kc/s	9646, 11685, 15120 kc/s
Polish:		
12.15	7280, 9646, 11,685 15120, 1529 kc/s	7280, 9646, 11685 15120, 1529 kc/s
15.15 D.	— „ —	— „ —
19.15 D.	6190, 7280, 9646, 11685, 1529 kc/s	6190, 7280, 9646, 11685, 1529 kc/s
Portuguese:		
15.30 D.	7280, 9646, 11685, 15120, 1529 kc/s	7280, 9646, 11685, 15120, 1529 kc/s
20.00 D.	6190, 7280, 9646, 11685, 1529 kc/s	6190, 7280, 9646, 11685, 1524 kc/s
08.00 Wed. For Mozambiq.	15120, 17840 kc/s	15120, 17840 kc/s
Rumanian:		
14.00 Mo.	7280, 9646, 11685, 15120, 1529 kc/s	7280, 9646, 11685, 15120, 1529 kc/s
17.30 Sun., Wed.	— „ —	6190, 7280, 9646, 11685, 1529 kc/s
Russian:		
17.45 D.	— „ —	— „ —
Slovak:		
12.00 D.	— „ —	7280, 9646, 11685, 15120, 1529 kc/s
19.00 D.	6190, 7280, 9646, 11685, 1529 kc/s	6190, 7280, 9646, 11685, 1529 kc/s
Slovene:		
14.00 Wed.	7280, 9646, 11685, 15120, 1529 kc/s	7280, 9646, 11685, 15120, 1529 kc/s
17.00 Tues., Thurs. Sat.	7280, 9646, 11685, 15120, 1529 kc/s	6190, 7280, 9646, 11685, 1529 kc/s.
10.15 Sun.	— „ —	— „ —
Spanish:		
14.15 D.	— „ —	7280, 9646, 11685, 15120, 1529 kc/s
20.45 D.	6190, 7280, 9646, 11685, 1529 kc/s	6190, 7280, 9646, 11685, 1529 kc/s
21.30 Thurs. For S. America	11685, 15120 kc/s	9646, 11685 kc/s
Swedish/Danish/Norwegian: 15.45 Wed.	7280, 9646, 11685, 15120, 1529 kc/s	7280, 9646, 11685, 15120, 1529 kc/s
Ukrainian: 18.00 Tues., Fri.	7280, 9646, 11685, 15120, 1529 kc/s	6190, 7280, 9646, 11685, 1529 kc/s
White Ruthenian: 17.15 Wed., Fri.	— „ —	— „ —
Musical Concert: 16.30 Thurs.	7280, 9646, 11685, 1529 kc/s	6190, 9646, 11685, 1529 kc/s
Sunday Service: 08.00 Mass in Latin Rite. Music during the Mass. Gospel homily for 15 min. after Mass, alternately in different languages	6190, 7280, 9646, 11685 kc/s	6190, 7280, 9646, 11685 kc/s
Oriental Liturgy: 09.00 (Homily in respective languages)	7280, 9646, 11685, 15120 kc/s	7280, 9646, 11685, 15120 kc/s

OPENING SIGNAL: The bells of St. Peter's.
ANNOUNCEMENT: "Laudetur Jesus Christus. Praised be Jesus Christ. This is Vatican Radio".
INTERVAL-SIGNAL: Carillon-Melody "Christus Vincit" executed on the celesta with orchestral accompaniment.



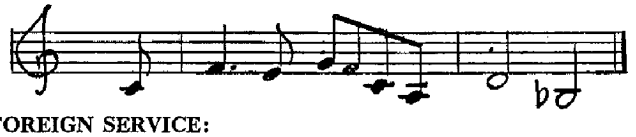
VERIFICATION: Listeners comments welcomed and answered. Return postage not required.

YUGOSLAVIA

ADDRESS: R. Beograd: Yugoslav Radiodiffusion, 19, Knez Mihajlova Belgrade. **For Listeners' Letters:** Jugoslovenska radiodifuzija, Beograd, 19, Knez Mihajlova, p.f. 284. R. Belgrade: 2, Hilenderska **R. Zagreb:** 4 Jurisicevast, Zagreb. – **R. Ljubljana:** 17 Tavcarjeva St. Ljubljana.
LEADING PERSONALITIES: President of the Broadcasting Committee: Zlatko Sinobad. Vice-Pres.: Milan Apia and Milivoje Markovic. Secretary of the Broadcasting Committee: Mrs. Olivera Vojvodic.
HOME SERVICE:
Languages: Serbian: Belgrade, Nis, Novisad, Pristina, R. Sljeme. – **Croatien:** Zagreb, Split, Rijeka, Osijek, Dubrovnik, Capodistria. – Serbo-Croat (Bosnia-Herzegovina) Sarajevo. – Serbo-Croat (Montenegro): Titograd. – **Slovene:** Ljubljana, Maribor. – **Macedonian:** Skoplje, Bitola.

	kc/s	m	kW		kc/s	m	kW
Sarajevo	611	490,9	20	Rijeka	1412	212	5
Belgrade 1	683	439	150	Maribor		212	5
Skoplje	809	370,9	20	Belgrade 2	1484	202.1	1.5
Titograd	881	340,5	20	Zagreb 2/			
Ljubljana	917	327,1	135	R. Sljeme		202	2
Zagreb 1/Split	1133	264,7	135/50	Nis		202	2
Capodistria	1169	257	6	Osijek		202	0,8
Novi Sad	1268	236,6	100	Dubrovnik		202	0,8
Pristina	1412	212,4	20	Bitola		202	0,5

DAILY PROGRAMMES: R. Belgrade: W: 04.30–23.00. Sun. 05.00–23.05. N.: 04.50–05.05; 09.00; 12.00; 14.00; 16.00; 21.00; 23.00.
R. Zagreb: W: 04.00–07.05; 10.00–22.45. Sun. 05.30–22.45. N.: 04.15, 05.15; 06.55, 12.00, 14.00, 16.00, 21.00, 21.55.
R. Ljubljana: W: 05.00–06.30; 10.00–23.00. Sun. 05.00–23.00. N.: 04.05; 05.00; 12.00, 14.00; 16.00; 21.00.
R. Sarajevo: W.: 05.00–06.55; 12.00–22.00. Sun. 05.00–22.00.
R. Skoplje: W.: 04.25–06.45, 11.00–22.00.
R. Titograd: W.: 05.00–07.00; 12.00–21.00. Sun.: 05.00–21.00.
R. Novi Sad: W.: 04.25–23.00. Sun. 04.25–23.30.
R. Pristina: W.: 05.00–06.30; 12.00–21.30; Sun.: 05.30–09.00; 12.00–21.30.
ANNOUNCEMENT: "Ovde Radio Beograd".
VERIFICATION by letter.
INTERVAL-SIGNAL: Radio Belgrade: The beginning of the "Internationale".



FOREIGN SERVICE:

STATIONS: R. Belgrade 6100 kc/s 49.18 m 100 kW. – 7200 kc/s 41.67 m 10 kW. – 9505 kc/s 31.56 m 10 kW.

Albanian:
16.45–17.00 } on 881, 1412 kc/s
20.30–21.00 }

Bulgarian:
18.00–18.30 on 6100, 7200, 1133.
21.45–22.00 on 809, 1133 kc/s.

Czech:
21.00–21.30 on 6100, 7200, 1268.
22.30–22.45 on 1133, 917 kc/s.

English:
18.30–18.45 on 6100, 7200 kc/s
22.15–22.30 on 1268, 1133, 917.

French:
19.30–19.45 on 6100, 7200, 1268.
22.00–22.15 on 1133, 917 kc/s.

Polish:
19.45–20.00 on 6100, 7200 kc/s.
22.00–22.15 on 6100, 7200, 1268.

Russian:
19.00–19.30 on 6100, 7200 kc/s.
22.15–22.45 on 6100, 7200, 683

Spanish:
21.30–22.00 on 6100, 7200, 1268.
22.30–22.45 on 1268 kc/s.

ANNOUNCEMENT: "Ici la Yougoslavie, Belgrade vous parle". – "This is Yugoslavia, Radio Belgrade calling". etc.
PUBLICATION: "Jugoslovenski Radio".

AFRICA

ALGERIA (French)

RADIO ALGERIA (Govt.).

ADDRESS: Radiodiffusion Française, 10 rue Hoche, Alger.

LEADING PERSONALITIES: Dir. Regional: Mr. Gayraud. Eng. Regional: Mr. Godin. Chief Editor: Mr. Godiveau. Dir. Progr.: Mr. Vandelle. Dir. Arabic Progr.: Mr. Grinda.

HOME SERVICES:
FRENCH NETWORK: Mo., Tues. Wed., Fri.: 06.30–09.00, 12.00–14.10, 18.00–23.00. Thurs. 06.30–09.00, 12.00–23.00. Sat. 06.30–09.00, 12.00–24.00. Sun. 07.00–23.00. **Exceptions:** Bône 18.00–23.00 (Sat. 24.00). Alger OCI 12.00–14.10(Thurs., Sat., Sun. 18.00).

	kc/s	m	kW		kc/s	m	kW
Alger I	980	306.1	75	Bone	1484	202.2	0.2
Constantine I	1142	262.7	20	Alger OCI	6160	48.70	25
Oran I	1142	262.7	40				

N: 06.30(W.), 07.30, 12.45, 14.00(W.), 18.00(W.), 19.00(W.), 20.00, 22.50(W.). – **Request Progr.:** Sun.: 10.00–11.00, 12.15–12.45.
Mailbag: Sun.: 18.30–18.45.

ARABIC NETWORK W. exc. Thurs.: 06.30–07.30, 11.30–13.45, 17.30–22.45. Thurs.: 06.30–08.00, 11.30–14.30, 17.15–22.45. Sun.: 07.00–22.45. **Exception:** Alger OCI 20.15–22.45.

	kc/s	m	kW		kc/s	m	kW
Alger II	890	337.1	50	Oran II	1304	230.0	40
Constantine II	1304	230.0	20	Alger OCI	6160	48.7	25

KABYL NETWORK: W.: 06.30–07.30, 12.00–13.00(Thurs. 14.00), 18.00 (Sat. 17.00)–20.15. Sun.: 06.45–09.00, 12.00–15.00, 18.00–20.15. **Exceptions:** Michelet 18.00(Sat. 17.00)–19.30, Alger OCI 18.00(Sat. 17.00)–19.30.

	kc/s	m	kW		kc/s	m	kW
Alger III	1421	211.2	5	Bongie	1594	188.2	0.6
Michelet	1484	202.2	5	Alger OCI	6160	48.7	25

ANNOUNCEMENT: **French:** "Ici Alger Radiodiffusion Francaise". – **Arabic:** "Radiodiffusion Francaise – Ici Alger – Emission en langue Arabe". – **Kabyl:** "Radiodiffusion Francaise – Ici Alger".

INTERVAL-SIGNAL: **French Network:** "La Casquette". – **Arabic Network:** At the beginning and the end of each transmission "Lahn Hanin" by Salim Hellali. – **Kabyl Network:** After last transmission of the day "Marseillaise".

VERIFICATION by letter or QSL-card.

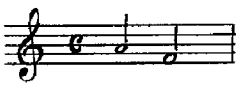
FUTURE PLANS: FM stations at Alger, Alger I 200 kW., Alger II 200 kW., Alger III 40 kW: 1956–1957.

ANGOLA (Portuguese West Africa)

RADIO ANGOLA – EMISSORA OFICIAL (Govt.).

ADDRESS: Caixa Postal 1400, Luanda, Angola.
LEADING PERSONALITIES: Dir. Gen.: Lieutenant-Colonel Eng. A. J. Magro. Dir. Adm.: A. F. da Gama Pombeiro. Dir. Tec.: Eng. M. G. S. Alegria. Dir. Prgr.: A. Ferreira da Costa.
HOME SERVICE in Portuguese: CR6RZ.
1350 kc/s 222.2 m 1 kW 9050 kc/s 33.26 m 1 kW
6036 – 49.71 – 10 – 11863 – 25.29 – 10 –
6360 – 47.16 – 3 –
11.30–13.30 (Sun. 14.30) to Mozambique 18.30–21.30 (exp. to Portugal), 21.30–23.00 (exp. to Brazil) on 11863 kc/s.
18.30–22.30 (Sat. 23.30) on 6036 kc/s.
N., Commentaries, Weatherr.: 12.00, 19.00. Actualities from Angola: Thurs. 18.35. Mailbag: Sun. 13.30–14.30. Prgr. Preview: 16.30, 18.30.

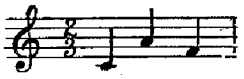
ANNOUNCEMENT: "Aqui Rádio Angola-Emissora Oficial".
INTERVAL-SIGNALS:



VERIFICATION by radio and letter, Return postage not required.

RADIO CLUBE DE ANGOLA

ADDRESS: Caixa postal 229, Luanda. Cable: Radangola Luanda.
LEADING PERSONALITIES: Pres: Com. Manuel de Albuquerque e Castro. Chanceler: Henrique Moreira. Production Man.: Antonio dos Santos e Sousa. Technical Man.: Eng. A. Palmeiro. Directors: A. Relvas, Dr. S. Chegao, Eng. F. Neto, Eng. D. Ferreira.
HOME SERVICE in Portuguese:
W.: 06.00–07.00 (Sat. 07.15), 11.00–13.30, 17.30–21.30 (Sat. 22.30). Sun.: 08.00–20.00.
CR6–RL 9632 kc/s 31.15 m 1 kW
CR6–RA 7142 – 42.01 – 0.25 –
CR6–RN 4869 – 61.60 – 1 –
National Music: 12.15–13.15, 19.00–20.00, 20.30–21.00
N.: 06.20–06.30, 12.00–12.15, 18.45–19.00, 21.25–21.30.
Request Prgr.: W. 12.45–13.00, Sun.: 08.30–09.00, 10.30–11.00, 13.30–14.00, 16.00–16.30, 17.30–18.00. – Mailbag: Thurs. 20.25– Weatherr.: W. 12.10, 19.00. – Time Signals: 06.30, 12.00, 18.45.
ANNOUNCEMENT: "Luanda, capital de Angola, província de Portugal em Africa, fala Rádio Clube de Angola, a vossa estaçao".
INTERVAL-SIGNAL:



VERIFICATION by QSL-card and by radio (Thurs 20.25).

RADIO CLUBE DE BENGUELA (Commercial).

ADDRESS: Caixa Postal No. 19, Benguela. A.O. Portuguesa. Cable: Radiobenguela.

LEADING PERSONALITIES: Pres: Dr. A. G. Ferreira. Vice-Pres: J. J. M. da Costa Figueira. Dir. Prgr.: S. Coelho. Dir. Tec.: J. B. Afonso. Asst. Dir. Prgr.: Dr. D. J. Campina. Secr. Adm.: M. da Alcantara Monteiro. Chief Secr.: C. Alberto de Alcantara da Fonseca Monteiro.

HOME SERVICE in Portuguese:
CR6RF 5042 kc/s 59.48 m 1 kW – CR6RB 9502 kc/s 31.57 m 1 kW. W.: 05.45–06.45, 11.00–12.45, 17.30–21.00. Sun.: 11.00–14.00, 17.30–21.00. – **Progr. Preview:** 05.45. – **Request Progr.:** 10.15, 16.40. – National Music: 18.00–18.30. – **Mailbag:** Sat. 05.45–06.45 (Portuguese and French). – **Time Signals:** 06.00, 12.00, 19.00. – **N.:** 11.10, 19.15.

FOREIGN SERVICE in Portuguese: 5042. 9502 kc/s 11.55–12.15 to Congo Belge and French Equ. Africa.

ANNOUNCEMENT: **Home Service:** "Radio Club de Benguela em Angola Africa Ocidental Portuguesa". **Foreign Service:** "Radio Club de Benguela fala para o Congo Belga e Africa Equatorial Francesa".

INTERVAL-SIGNAL: **H. Sce:** Gong. – **Foreign Sce:** Guitar.

VERIFICATION by QSL-card.

RADIO CLUBE DO BIE (Commercial).

ADDRESS: Caixa Postal 33, Silva Porto.

HOME SERVICE in Portuguese: CR6RO: 4842 kc/s 61.69 m 0.2 kW – 7203 kc/s 41.65 m 1 kW: 06.15–06.45, 11.30–12.30, 16.30–18.00, 19.00–20.30.
ANNOUNCEMENT: "Radio Club do Bié".

INTERVAL-SIGNAL: Guitar. – VERIFICATION by QSL-card.

RADIO DIAMANG (Private non-commercial).

Owned by Companhia de Diamantes de Angola, Dundo.
ADDRESS: Radio Diamang, Dundo.
LEADING PERSONALITY: President: Eng. R. S. de Sousa.
HOME SERVICE: W.: 18.00–19.30. Sun.: 11.00–12.30.

	kc/s	m	kW		kc/s	m	kW
CR6RG	4770	62.89	1	CR6RR	7070	42.42	1
CR6RR	6870	43.63	1	CR6RS	8300	36.10	1
CR6RI	9340	32.10	1	inactive			

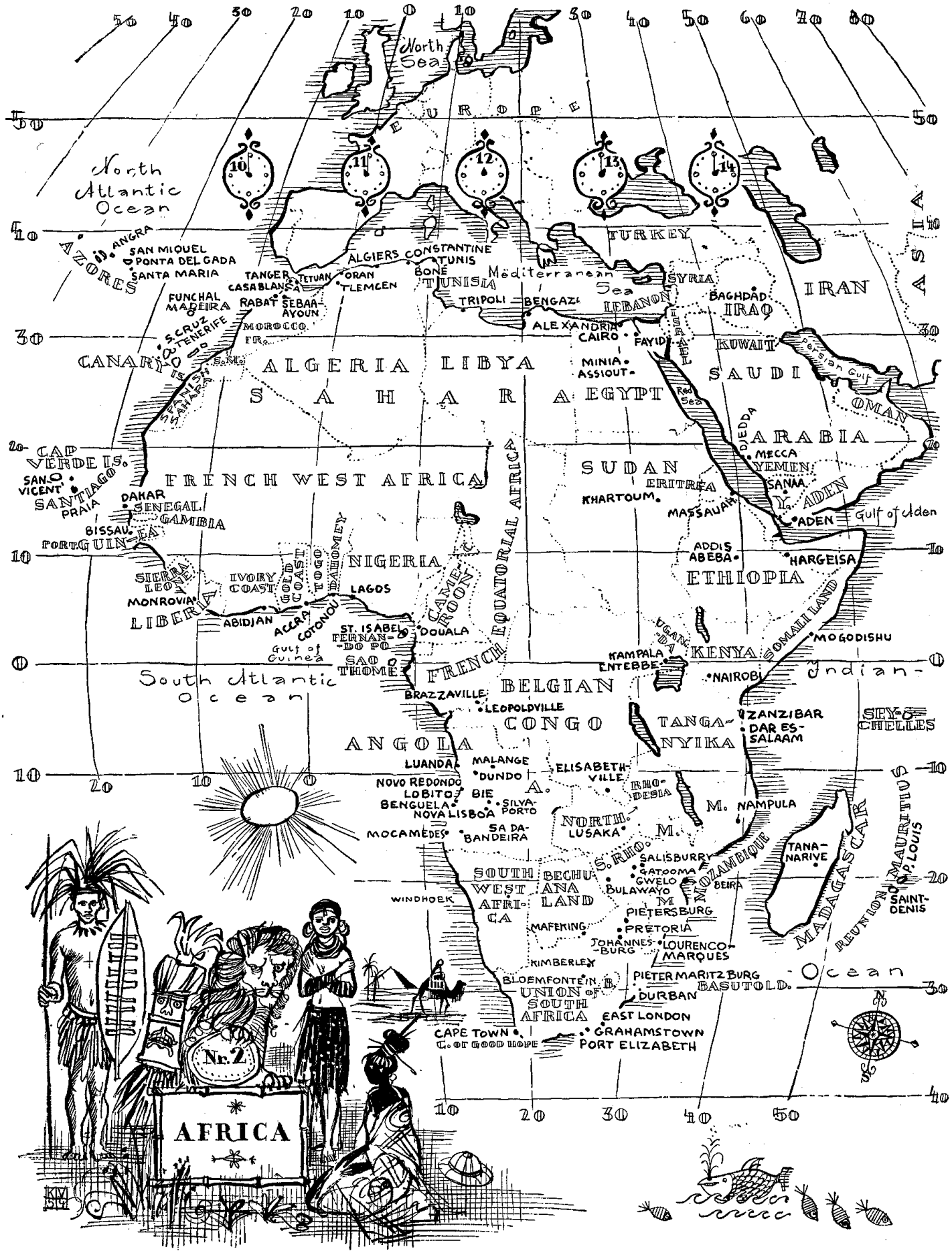
ANNOUNCEMENT: "Aqui Dundo, Angola, Africa Ocidental Portuguesa, Estaçao Emissora CR6RG, Radio Diamang".
INTERVAL-SIGNAL: At opening notes from "quissange" played on native musical instrument, followed by the march "Calling all Workers". At close down chimes followed by Portuguese National Anthem VERIFICATION by QSL-card. No return postage.

RADIO CLUBE DE HUAMBO (Commercial).

ADDRESS: Caixa Postal 125, Nova Lisboa.
HOME SERVICE in Portuguese:
CR6RD 4852 kc/s 61.84 m 1 kW
CR6RD 7105 kc/s 42.22 m 0.15 kW } W.: 11.00–13.00, 17.30–21.00.
CR6RD 9705 kc/s 30.91 m 1 kW } Sun.: 12.15–16.45
CR6RQ 11926 kc/s 25.16 m 1 kW
ANNOUNCEMENT: "Aqui Nova Lisboa, Angola".
INTERVAL-SIGNAL: Notes from "Blue Danube".
VERIFICATION by QSL-card.

RADIO CLUBE DE HUILA (Commercial).

ADDRESS: Caixa Postal 111, Sá da Bandeira.
HOME SERVICE in Portuguese:
CR6RH 9755 kc/s 30.76 m 1 kW
CR6RJ 5024 – 59.71 – 0.4 –
W.: 11.15–12.45, 18.00–21.00. Sun.: 11.15–13.30.
ANNOUNCEMENT: "Radio Clube da Huila".
INTERVAL-SIGNAL: First movement from "Minho".
VERIFICATION by QSL-card.


North Sea
EUROPE
North Atlantic Ocean
AZORES
ANGRA
SAN MIQUEL
PONTA DEL GADA
SANTA MARIA
TANGER
TETUAN
CASABLANCA
RABAT
SEBAA-AYOUN
FUNCHAL
MADEIRA
SCRUZ
TENERIFE
MOROCCO
FR.
CANARY IS.
SPANISH SAHARA
ALGIERS
CONSTANTINE
TUNIS
ORAN
TLEMCEN
BONE
TUNISIA
TRIPOLI
BENGAZI
Mediterranean Sea
TURKEY
SYRIA
LEBANON
ISRAEL
BAGHDAD
IRAQ
IRAN
ASIA
ALEXANDRIA
CAIRO
FAYID
MINIA
ASSIOUT
KUWAIT
Persian Gulf
SAUDI
ALGERIA
LIBYA
SAHARA
EGYPT
Red Sea
OMAN
DJEDDA
ARABIA
MECCA
YEMEN
SANAA
ADEN
Gulf of Aden
CAP VERDE IS.
SAN VICENT
SANTIAGO
PRAIA
DAKAR
SENEGAL
GAMBIA
BISSAU
PORTG. GUINEA
FRENCH WEST AFRICA
SUDAN
ERITREA
KHARTOUM
MASSAUAH
ADDIS ABEBA
HARGEISA
ETHIOPIA
SIERRA LEONE
MONROVIA
LIBERIA
IVORY COAST
GOLD COAST
DAHOMEY
NIGERIA
LAGOS
ABIDJAN
ACCRA
COTONOU
CAMEROON
ST. ISABEL
FERNAN-DO PO
DOUALA
Gulf of Guinea
SAO THOME
FRENCH EQUATORIAL AFRICA
UGANDA
KENYA
SOMALI LAND
MOGODISHU
KAMPALA
ENTEBBE
NAIROBI
Indian Ocean
South Atlantic Ocean
BRAZZAVILLE
LEOPOLDVILLE
BELGIAN CONGO
TANGANYIKA
ZANZIBAR
DAR ES-SALAAM
SEYCHELLES
ANGOLA
LUANDA
MALANGE
DUNDO
ELISABETHVILLE
NOVO REDONDO
LOBITO
BIE
BENGUELA
NOVA LISBOA
SILVA-PORTO
RHODESIA
NAMPULA
NORTH RHODESIA
LUSAKA
MOCAMEDES
SA DA-BANDEIRA
SOUTH WEST AFRICA
BECHUANA LAND
SALISBURY
GATOOMA
GWELO
BULAWAYO
BEIRA
MOZAMBIQUE
TANA-NARIVE
MADAGASCAR
MAURITIUS
P. LOUIS
REUNION
SAINT-DENIS
WINDHOEK
PIETERSBURG
PRETORIA
MAFEKING
JOHANNES-BURG
LOURENCO-MARQUES
KIMBERLEY
BLOEMFONTEIN
PIETERMARITZBURG
BASUTOLD.
UNION OF SOUTH AFRICA
DURBAN
EAST LONDON
GRAHAMSTOWN
CAPE TOWN
C. OF GOOD HOPE
PORT ELIZABETH
Nr. 2
AFRICA

RADIODIFUSORA LOBITO (Commercial).

ADDRESS: Estaçao Radio Difusora CR6AA, P.O.Box 103, Lobito. Cable: Radiodifusora.

HOME SERVICE in Portuguese & English: CR6AA 1 kW. 7106 kc/s 42.22 m – 4806 kc/s 62.43 m (irreg.) – 5033 kc/s 59.59 m 06.00–07.00 on 7106 kc/s in Portuguese; 11.30–12.45 on 7106, 5033 kc/s and 16.00–22.00 on 7106 kc/s.

ANNOUNCEMENT: Portuguese: "Lobito, Angola, Africa Ocidental Portuguesa. Estaçao Radio Difusora CR6AA". – English: "This is Lobito, Angola, Portuguese West Africa, Short Wave Broadcasting Station CR6AA".

INTERVAL-SIGNAL: 3 gong notes. – VERIFICATION by QSL-card.

RADIO CLUBE DE MOCAMEDES (Commercial).

ADDRESS: Caixa Postal No. 174, Mocamedes.

HOME SERVICE: 11.45–12.30, 19.30–20.30. CR6RM 7230 kc/s 41.49 m 1 kW.

VERIFICATION by letter.

RADIO CLUBE DE MALANGE (Commercial).

ADDRESS: Caixa Postal no. 83, Malange.

HOME SERVICE: Portuguese: CR6RE 7140 kc/s 42.02 m 0.6 kW W.: 11.30–13.00, 17.00–19.30. Sun.: 07.00–08.30, 12.30–14.00.

ANNOUNCEMENT: "Radio Clube de Malange".

INTERVAL-SIGNAL: The march "O piranga".

VERIFICATION by QSL-card.

RADIO CLUBE DO SUL ANGOLA (Commercial).

ADDRESS: Caixa Postal 56, Lobito.

HOME SERVICE: CR6RK 3420 kc/s 87.72 m 0.75 kW.

DAILY PROGRAMMES: 11.00–13.00, 16.30–18.30, 20.00–22.00.

INTERVAL-SIGNAL: 4 notes on guitar from "Maria da Fonte".

RADIO CLUBE DO CUANZA SUL (Commercial).

ADDRESS: Caix a Postal No. 10, Novo Redondo.

HOME SERVICE in Portuguese: CR6RP 7805 kc/s 38.43 m 0.2 kW 11.15–11.45, 17.30–19.30.

ANNOUNCEMENT: "Radio Clube Cuanza Sul".

INTERVAL-SIGNAL: Guitar. – VERIFICATION by QSL-card.

RADIO ECLESIA (Catholic), Luanda CR6RB 7260 kc/s 41.32 m. 08.00–23.00

BECHUANALAND (British Protectorate)

ADDRESS: ZNB Broadcasting Station, c/o Director of Public Works, Box 106, Mafeking.

STATIONS: ZNB 8230 kc/s 36.45 m 0.25 kW
5900 – 50.84 – 0.25 –

DAILY PROGRAMMES: 11.00–12.00, 17.00–19.00(Sun. 18.00–19.00)

VERIFICATION by QSL-card. Return postage required.

BELGIAN CONGO

LEOPOLDVILLE OTC (see Belgium).

RADIO CONGO BELGE (Government).

ADDRESS: P.O.Box 3171, Leopoldville, Kalina.

HOME SERVICE:

For Europeans and educated Africans (F = French, Fl. = Flemish):

Call.	kc/s	m	kW		
OTM1	6140	48.86	3	05.00–06.30, 10.15–12.30	15.30–21.00
OTM2	9380	31.99	50	05.00–06.30	
			50	15.30–21.00	
OTM4	11720	25.60	50	10.15–12.30	

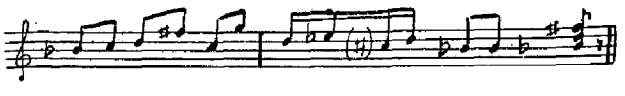
N.: 06.00(F.), 06.08(Fl.), 10.30(F.), 10.40(Fl.), 11.30(F.), 11.40(Fl.), 18.00(F.), 18.45(Fl.), 20.45(F.), 20.52(Fl.).

For Africans in Belgian Congo and Ruanda Rundi:

Leopoldville	11670 kc/s	25.70 m	50 kW	10.30–12.00
–	9210 –	32.57 –	50 –	16.30–19.00
Stanleyville	6085 –	49.30 –	3 –	15.30–19.00
Elisabethville	6030 –	49.75 –	3 –	15.30–19.00

ANNOUNCEMENT: In French: "Ici Radio Congo Belge". In Flemish: "Hier Radio Belgisch Kongo".

INTERVAL-SIGNAL: Native xylophone beat.



VERIFICATION by QSL-card.

RADIO COLLÉGE (Private)

ADDRESS: Radio Collége, B.P.296, Elisabethville.

LEADING PERSONALITY: RR. P. P. Salesiens, Ecole Officielle pour Garçons Européens, Collége Saint François de Sales.

STATIONS: Elisabethville OQ2AC, 0.25 kW
3390 kc/s 88.50 m – 7200 kc/s 41.67 m – 4980 kc/s 60.25 m

DAILY PROGRAMMES in French. Fri. in Flemish. W. 16.30–17.30 Sun. 07.00–10.00.

ANNOUNCEMENT: French: "Ici Radio-College, station de radiodiffusion privée située au College Saint François de Sales, à Elisabethville, Congo-Belge". Flemish: "Hier Radio-College, eigen zender van het Sint Franciscus College te Elisabethstad, Belgisch Kongo".

INTERVAL-SIGNAL: Open with "Marche du Baron Tzigane (Joh. Strauss). Close with "Marche Indigo".

VERIFICATION by QSL-card. Return postage preferred.

RADIO LEO (Pr.-Religious. Operated by the Jesuits of Leopoldville). Publication: "Radio Leo", monthly.

ADDRES: Collége Albert I, B. P. 3165, Leopoldville.

LEADING PERSONALITY: Rector of College Albert I'.

HOME SERVICE in French: Sun. only 08.00–10.00. OQ 2AA 11720 kc/s 25.60 m 7 kW.

Programmes consists of: Music, actualities spirituelles (09.00–09.15), literary progr., progr. for the youth etc. – Special programmes on 1. Jan., 1. and 21. July, 15. Aug., 1. Nov. and 25. Dec. – Program Preview: at 08.00 and 09.55.

ANNOUNCEMENT: "Ici Radio Leo, Leopoldville, Congo Belge, station privée de Radiodiffusion du collège Albert I".

VERIFICATION by letter. Return postage not required.

RADIO ELISABETH – (financed by the suscriptions of listeners).

ADDRESS: A.F.M. Schovens, Box 1039, Elisabethville.

STATIONS: Elisabethville. OQ2AB 0.25 kW.
7150 kc/s 41.96 m – 11900 kc/s 25.21 m: 13.30–16.00 (Sun. only)

VERIFICATION by QSL-card.

CAMEROON (French)

RADIODIFFUSION DU CAMEROUN (Govt.)

ADDRESSES: Radiodiffusion Douala B. P. 986, Douala. – Radiodiffusion Yaounde, Yaounde.

LEADING PERSONALITIES: Dir. Radio. Cameron: Louis C. D. Joos. Dir. Douala: O. Delétré Dir. Yaounde: M. B. Saxel. Dir. Tec. van Brabant P.

HOME SERVICES:

R. Douala: 2115 kc/s 120 m 1 kW. – 6459 kc/s 46.44 m 1 kW: W. 11.15–13.00(Sat. 15.00). 17.30–20.00. Sun.: 10.00–13.00, 17.30–20.00. Language French exc.: 11.30–12.30 in Douala and Yaounde. – N.: W. 18.10–18.30. – Request Prgr.: Sun. 12.15–13.00, W.: 12.15–12.30. (Afrikaan).

R. Yaounde: 9270 kc/s 32.37 m 1 kW. exp.: Sat. 17.00–21.00. Sun. 08.00–12.30, 17.00–20.00.

ANNOUNCEMENT: »Ici Douala (or Yaounde) Radiodiffusion du Cameroun«,

VERIFICATION by letter and QSL card. Return postage not required.

CANARY ISLANDS (Spanish)

RADIO LAS PALMAS (Comm.).

ADDRESS: Calle Triana num. 134 Dpdo., Las Palmas de Gran Canaria.

LEADING PERSONALITIES: Director D. Pedro Pastor Segura. Director of Programmes: D. Ignacio H. de la Mota.

HOME SERVICE in Spanish: D.: 11.30–23.00.

EAJ50 1313 kc/s 228.5 m 0.5 kW. Weatherrep. 14.30.

ANNOUNCEMENT: Spanish: "Transmite la Estación E.A.J.50 Radio Las Palmas".

INTERVAL-SIGNAL: Pasodoble: "Islas Canarias".

VERIFICATION by letter. Return postage not required.

RADIO CLUB TENERIFE (Cultural and Commercial)

ADDRESS: Aptado. de Correos 225, S. Cruz de Tenerife.

LEADING PERSONALITIES: Pres.: J. G. Sanjuan. Secr.: E. Diaz. Tec. Dir.: Padrón. Dir. of Prgr.: M. Ramos.

HOME SERVICE (Spanish):

EAJ43 1412 kc/s 212.4 m 0.4 kW 12.30–15.30, 18.00–23.00
EA8AB 7295 – 41.12 – 0.25 – 21.00–23.00

News: 13.45 (1412 kc/s only), 21.45. Folklore-music: Mo. 22.00.

ANNOUNCEMENT: "R. Club Tenerife, S. Cruz de Tenerife".

INTERVAL-SIGNAL: At the opening "Los Voluntarios". – Time-Signal (chimes): 14.00, 22.00. – "Islas Canarias": 22.01. VERIFICATION by QSL-card.

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AFRICA

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1. R. ABIDJAN: Native drummers in the Afrikaan prgr. from R. Abidjan.

2. R. LUSAKA: A "Brain Trust" in progress in the studio of Central African Broadcasting Lusaka.

3. BELGIAN CONGO: A native drummer from Belgian Congo.

4. NIGERIAN BROADCASTING SERVICE: Photo shows part of the preparation of a "Sunday Magazine" prgr. by two members of the Gold Coast Broadcasting staff: Frances Quashil-Idun, the daughter of a local judge, and Frank Parkes. They are interviewing some Northern labourers in Accra.

5. R. ADDIS ABABA: Ethiopian speaker reads the news in English.

6. NIGERIAN BROADCASTING SERVICE: A Yoruba announcer of the Nigerian Broadcasting Service: Emanuel Fedaka.

Radio Abidjan Radio Lusaka Belgian Congo Frank Parkes Nigerian Broadcasting Service Radio Addis Ababa Emanuel Fedaka

RADIO ATLANTICO

ADDRESS: Radio Atlantico, Buenos Aires 26, Las Palmas.

LEADING PERSONALITY: Dir. Christobal M. Ortega. – HOME SERVICE: in Spanish. EFE34 2 kW 1500 kc/s 200 m: 11.00–15.00, 19.00–24.00. – 7000 kc/s 42.86 m 0.3 kW, 13.00–15.30, 19.00–24.00. 9490 kc/s 31.61 m 0.3 kW, 13.00–15.30, 22.00–24.00.

ANNOUNCEMENT: "Radio Atlantico en Las Palmas de Gran Canaria, Islas Canarias, España". – VERIFICATION by QSL-card. Return postage not required.

CAPE VERDE ISLANDS

RADIO CLUBE DE CABO VERDE, Praia, Isle of Santiago. (Pr.)

LEADING PERSONALITIES: Pres.: M. T. Dias. Vice-Pres.: A. J. Barbosa da Silva.

HOME SERVICE in Portuguese:
CR4AA 5895 kc/s 50.90 m 0.4 kW – 7135 kc/s 42.05 m 3 kW: 20.00–22.00. News: 20.45, 21.30. Weatherreport: 21.15.

VERIFICATION by QSL-card.

RADIO CLUBE MINDELO, S. Vicente. (Pr.)

LEADING PERSONALITIES: Pres.: Dr. A. Feijóo Pereira. Dir. Tec.: José de Azevedo; Dir. Prgr.: J. Manuel Azevedo and Evandro de Matos.

HOME SERVICE in Portuguese:
CR4AB 3960 kc/s 7576 m 0.08 kW, 22.00–24.00.
N.: 23.00. Weatherreport: 22.27. Prgr.: Preview 22.05. ANNOUNCEMENT: "Aqui S. Vicente de Cabo-Verde, Provincia Ultramarina de Portugal. Rádio Clube de Mindelo, estaçao emissora de endas curtas na banda de 75 m. frequencia de 3960 kc/s".

VERIFICATION by letter or QSL-card. Return postage required.

FUTURE PLAN: A new s. w. station in 1956.

DAHOMEY (French West Africa)

RADIO COTONOU (Govt.)

ADDRESS: Radio Cotonou, Boite Postale 366, Cotonou.

LEADING PERSONALITY: Dir. Adm.: C. Bertault.

HOME SERVICE:
1475 kc/s 203.4 m 1 kW 4900 kc/s 61.23 m 1 kW.
French: W. 07.00–08.00, 12.15–13.15, 18.30–22.30. Sun:. 09.30–13.15, 18.30–22.30. – Prgr. in Fon and Nago are broadcast at the beginning of the evening transmission.

EGYPT

EGYPTIAN BROADCASTING SERVICE (Govt.).

ADDRESS: Broadcasting House, Cairo. Cable: Kahiradio.

LEADING PERSONALITIES: Dir. Gen.: Amin Hammad. Deputy Gen. Man. for Engineering: Salah Amer. Controller Arabic Progr.: Abdel Hamid Younis. Controller Overseas Progr.: Abdel Hamid El Hadidi. Chief Engineer: M. Ezeldin Fouad.

STATIONS:

	kc/s	m	kW		kc/s	m	kW
Medium Waves:							
Cairo I	557	538.6	20	Minia	1079	297.8	2
Cairo II	773	388.0	50	Sohag	1142	262,7	
Cairo III	620	483.9	100	Luxor	Not yet on service		
Assiut	980	306.0	2				
Assouan	1178	254.6	2				

Short Waves: Cairo 40/50/100 kW

kc/s	m	kc/s	m	kc/s	m	kc/s	m
7050	42.52	9790	30.60	11670	25.70	15315	19.59
9475	31.66	9795	30.62	12030	24.94	17765	16.89

HOME SERVICES

MAIN PROGRAMME in Arabic:

	kc/s		kc/s
03.45–07.00	620, 7050	07.00–11.00	9790
07.00–10.00	620	14.45–18.00	9790
10.00–23.00	12030	18.00–22.15	9790, 11670

N.: 04.45, 06.15, 12.30, 15.00, 18.30, 21.00, 22.00. Press Review: 05.45, 15.30. – Request Prgr.: Sun., Wed. 12.00, Fri. 07.30. Mo. 16.30. – Koran Reading: 04.15, 18.00.

NON ARABIC HOME SERVICE in English, French, German, Greek, Italian on 557 kc/s: N. in French: 06.00, 12.00, 20.00. – N. in English: 19.45–19.55. – N. in German: 12.50–13.00. – N. in Greek: 17.45–17.55. – N. in Italian: 18.45–18.55. – Language lesson (Arabic): Mo., Thurs. 16.20–16.30.

ANNOUNCEMENT: Arabic: "Huna El Kahira". – French: "Ici Le Caire". – English: "This is Cairo".

INTERVAL-SIGNAL: Camel bells. – VERIFICATION by QSL-card.

FOREIGN SERVICE

To SUDAN:
04.30–05.30 on 557, 11670 kc/s in Arabic.
14.00–16.30 on 620, 7050, 12030 kc/s in Arabic & native dialects.
To MIDDLE EAST: (Voice of Arab)
11.00–12.00 on 7050, 12030 kc/s. N.: 11.30.
17.00–21.00 on 620, 7050, 12030 kc/s. N.: 18.00, 20.15.
To SOUTH EAST ASIA: 11.30–14.30 on 17765 kc/s.
11.30–12.30 Indonesian N.: 11.50–12.00.
12.30–13.00 Arabic N.: 12.32–12.45
13.00–13.30 English N.: 13.00–13.12
13.30–14.30 Urdu N.: 13.50–14.05
To IRAN: 15.00–16.00 on 9475 kc/s. N.: 15.20.

To ISRAEL: 16.00–16.30 on 620 kc/s in Hebrew & German. N. in Hebrew: 16.24 (exc. Mo. Wed.). N. in German: 16.24 (Mo., Wed.).

To TURKEY: 16.30–17.00 on 620 kc/s. N.: 16.37.

To EAST- & MIDDLE AFRICA in Arabic & Swahili:
16.45–17.30 on 17765 kc/s. N. in Swahili: 17.02.

To EUROPE: 18.00–22.00 on 9475 kc/s.
18.00–19.00 Italian N.: 18.45–18.55
19.00–20.00 English N.: 19.45–19.55
20.00–22.00 French N.: 20.00–20.10.

To SOUTH AMERICA: in Arabic, Portuguese, Spanish 23.30–01.30 on 11670 kc/s.
23.30–24.00 Portuguese N.: 23.30 – 00.00–01.00 Arabic N.: 00.02 – 01.00–01.30 Spanish N.: 01.02.

To N. AMERICA in Arabic: 00.00–01.00 on 9795 kc/s.

ANNOUNCEMENT: Arabic: "Huna El Kahira". German: "Hier ist Kairo". French: "Ici Le Caire". English: "This is Cairo".

INTERVAL-SIGNAL: Camel bells.

VERIFICATION by QSL-card. Return postage not necessary. Reports are welcomed. Listeners programme-requests and comments should be addressed to "Overseas Service", Egyptian Broadcasting Cairo.

FORCES BROADCASTING SERVICE (British): Fayid 1440 kc/s 208 m.

ERITREA

ARMED FORCES RADIO SCE. (U.S.A. Military).

ASMARA AFRS. (Massauah): 1500 kc/s 50 Watt. 03.30–24.00.

ETHIOPIA

RADIO ADDIS ABABA (Govt.)

ADDRES: P.O. Box 1364, Addis Abeba.

LEADING PERSONALITIES: Directors: Ato Kebede Adfaw, Ato Tadessa Abebe. Dir. Prgr.: Ato Makonnen Ayale. Publicity & Comm. Mgr.: Leslie H. Cramer. Chief Eng.: George Brumley.

STATIONS: Addis Ababa – ETHA.
6419 kc/s 46.73 m 1 kW 15010 kc/s 19.99 m 7.5 kW d
9620 – 31.19 – 2.5 –

HOME SERVICE in Amharic, Arabic & English:
Amharic: W. 05.00–05.30. 11.00–12.00. Sun.: 06.00–06.30, 16.30–18.00 on 6419/9620 kc/s.
N. in Amharic: 05.15, 11.30, 17.00.
English: D.10.00–11.00. Sun.: also 14.45–15.45 on 9620 kc/s.
N. in English: 10.30, 18.15. Religious: Sun. 14.45–15.45.
Amharic & English: D. 16.00–19.30 on all stations.
Arabic: D. 18.00–18.15. Religious: Sun. 08.45–09.00. on 9620, 15010 kc/s.
Time-Signals: At the beginning of each prgr.

FOREIGN SERVICE to Europe in Arabic & English: 16.00–19.30 on 15010 kc/s. N.: D. English 18.15. Arabic 18.00.

ANNOUNCEMENT: English: "Radio Addis Ababa, The Voice of Ethiopia".

VERIFICATION by letter or postcard. Return postage required.

FUTURE PLANS: New stations and studios in Addis Ababa and Asmara.

Adv.
Radio Addis Ababa, the Voice of Ethiopia,
serves millions of listeners in the oldest Christian Nation.
An ever growing consumer market and national strides in communications and marketing facilities make this country a »must« in all African Radio advertising appropriations.
Consult the Publicity Manager Box 1364 Addis Ababa.

FRENCH EQUATORIAL AFRICA

RADIO BRAZZAVILLE (Govt.).

ADDRES: B. P. 108, Brazzaville, A.E.F. **Cable:** "Radiodiffusion Brazzaville".

LEADING PERSONALITIES: Dir.: Yvan Merlet. Adm.: Auguste Taillade. Chief-Eng.: Henri Defroyenne. Dir. of News and Information: Lucien Renault. Dir. of Radio AEF: Pierre Ponti. Dir. of Prgr.: Julien Prevost.

STATIONS: Radio Brazzaville and Radio A.E.F.

R. Brazzaville:				Radio A.E.F.:			
5970 kc/s	50.25 m	3	kW	1484 kc/s	202.2 m	0.8	kW
9625 –	31.16 –	50	–	3232 –	92.84 –	1.5	–
9730 –	30.83 –	7	–	5970 –	50.25 –	3	–
11970 –	25.06 –	50	–	9625 –	31.16 –	50	–
15595 –	19.23 –	50	–	9964 –	30.10 –	1.5	–
				15595 –	19.23 –	1.5	–

R. Brazzaville:	kc/s	Target areas	News	
05.00–07.20	11970	Eu, NAf, ME, M, O.	05.00 (F),	05.15 (E),
	9730	WAf	06.00 (F),	07.00 (F)
06.00–07.20	5970	C, CAf		
10.00*)–12.20	15595	ME, EAf, CEu.	10.15 (E),	11.30 (F),
11.15*)–12.20	5970	CAf, C	12.15 (F).	
16.00**)–17.55	11970	FE	16.00 (E),	17.00 (F),
18.00–21.00	11970	Eu, NAf, WAf	18.15 (E),	18.30 (F),
	9730	EAf, CAf	19.15 (P),	20.30 (F),
			20.50 (E)	
21.05–01.40	11970	NAm, CAm, WAf.	21.45 (F),	23.15 (P)
	9625	SAm	23.40 (E),	00.15 (S),
23.30–01.40	9730	FE	01.15 (F).	

*) Sun. 09.00. **) Sun. 15.00.

French Lesson (for Gr. Britain): 19.45–20.00. **Request Prgr.:** Sun. 10.30–11.30 (English/French), 22.00–23.00 (Portuguese/Spanish).

Swedish: Wed. 20.00–20.15 (fortnightly). After each newsbulletin in French a commentary.

Radio A.E.F.

17.00–18.00 on 1484/3232/5970/9625*/9964/15595 kcs.

18.00–20.30 on 1484/3232/5970/9964/15595 kc/s.

*) 50 kW transmitter for the Northern part of A.E.F.

17.00–18.30 for African listeners. 18.30–19.00 N. in French (relay R. Brazzaville). 19.00–20.30 mainly musical prgr.

Time-Signal: 17.45–17.50. **Weatherreports:** 19.00. **Religious:** Sun. 17.00 –17.10 (catholic), 17.30–17.40 (protestant). **From the Qur'an:** Fri. 17.00–17.10.

ANNOUNCEMENTS: Radio Brazzaville: French: "Ici Brazzaville, Poste National Francais" – English: "This is Radio-Brazzaville, the French National Broadcasting Station in Central Africa" – Portuguese: "Aqui Radio Brazzaville, Emissora Nacional da Franca na Africa Equatorial". – Spanish: "Aqui Radio-Brazzaville, Emisora Nacional Francesa". – Swedish: "Detta är Radio-Brazzaville, den franske nationale Radio i Afrika". – **Radio A.E.F.:** French: "Ici Radio A.E.F.

INTERVAL-SIGNAL: When the station switches over from one direction to another a call signal of five different notes is played on a native instrument (Kisanzi) consisting of several vibrating iron bars attached to a wooden box.

Adv.
"RADIO BRAZZAVILLE" has now finished its "reconversion". The powerful station of the "FREE FRANCE", which gave hope to the oppressed peoples, has been substituted by an international French Voice, which is listened to and appreciated on all the continents.
For a Short Wave Station more than for any others it is indispensable to have contact with the listeners. Therefore we are very happy to receive listening reports, programme critics, suggestions etc. etc., which come to us. Our goal is to make radio **for the listeners.** Only they count after all, whatever nation they belong to, or whatever language they use. In French, in English, in Portuguese or in Spanish, in 19 information broadcasts, we do our very best to circulate as soon as possible interesting and objective news. These two rules of speed and objectivity have given us the confidence of a very large number of listeners, and we are proud of this. In the artistic domain, we have varied the programs as much as possible, giving a big part to French culture. Classical music, which is so often demanded, is often presented in our programs, which will, however, also allow room for the imagination. Finally we have our programs with "records wanted" (listeners' international concert) presented in 4 languages, which permits you – wherever you live – to make friends and relatives – wherever they live – listen to the records of your choice. Do not forget that RADIO-BRAZZAVILLE replies to all letters; you may verify this by writing us. And now: Good listening.

VERIFICATION by letter or QSL-card. Return postage required. Answers to listeners letters are also given during the Sunday request prgr.

FUTURE PLANS: R. A.E.F. to be increased to 25 kW & stations planned to broadcast in the tropical bands.

PUBLICATION: A fortnightly programbulletin.

GOLD COAST

GOLD COAST BROADCASTING SERVICE (Govt.)

ADDRESS: Broadcasting House, Private Post Bag. Accra. **Cable:** Broadcasts.

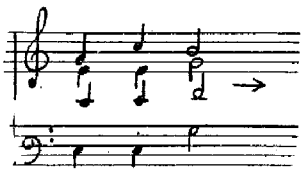
LEADING PERSONALITIES: Dir. Broadcasting: J. B. Millar, M. B. E. Dir. Tec.: A. W. Busby. Dir. Prgr.: H. V. L. Swanzy.

HOME SERVICE from Accra: D. 10.50 (Sun. 07.55) 13.45, 14.55–18.30 in English, Twi, Fante, Ga, Ewe, Hausa & Dagbani. ZOY 4915 kc/s 61.04 m 5 kW – 6200 kc/s 48.39 m 1.5 kW d.

English: Religious: Sun.: 08.00–08.30 on 6200 kc/s. Wed. 17.30–17.45 on 4915 kc/s. **National Music:** Wed. 13.15–13.45 on 6200 kc/s. **Requests:** Mo. Thurs. 13.15–13.45 on 6200 kc/s. Tues. 17.00–17.30 on 4915 kc/s. – **Prgr.: Preview** 10.50 on 6200 kc/s, 14.55 on 4915 kc/s. **Weatherreports:** 10.55, 12.50 on 6200 kc/s, 17.50 on 4915 kc/s. **N.:** 12.45, 17.45. **N. in Vernaculars:** 12.00, 16.15.

ANNOUNCEMENT: "This is the Gold Coast Broadcasting Service" or "This is Accra calling in the Gold Coast Broadcasting Service".

INTERVAL-SIGNAL: G.C.B. played on piano:



VERIFICATION by QSL-card. Return postage required.

FUTURE PLANS: A new 20 kW s.w. transmitter in operation June 1956, A new studio centre is being built at Accra.

GUINEA (French)

RADIO CONAKRY (Govt.)

ADDRESS: Service de l'Information, Conakry.

HOME SERVICE in French: 6155 kc/s 48.74 m.

W. exc. Fri.: 12.15–13.15 (Sat. 13.30), 19.00–21.30. Sun. 12.00–13.30,: 19.00–21.30.

INTERVAL-SIGNAL: Opening selection is "Marouf" by Henri Rabaud. Signature tune is the Ouverture to "Veronique "by Andre Messager.

GUINEA (Portuguese)

EMISSORA DA GUINÉ (Govt.)

ADDRESS: Emissora da Guiné, Bissau. **Cable:** Radiodifusao.

LEADING PERSONALITY: President: Eng. A. dos Santos.

HOME SERVICE in Portuguese: 21.30–23.00.

Bissau, CMQ 3975 kc/s 75.48 m 1 kW (to be 5 kW).

N.: 21.45–21.50 (local), 22.15–22.25. **Requests:** Thurs. 21.30. **Portuguese Music:** 22.00–22.15. **Weatherrep.:** 22.45.

ANNOUNCEMENT: "Aqui Bissau, Emissora da Guiné".

INTERVAL-SIGNAL: "Variations in D-minor" by Arthur Paredes played on guitar.

VERIFICATION by QSL-card. Return postage not necessary.

GUINEA (Spanish)

EMISORA DE RADIODIFUSION SANTA ISABEL (Govt.)

ADDRESS: Apartado de Correios no. 195, Santa Isabel.

LEADING PERSONALITY: Dir.: Angel G. -Margallo Barbera.

DAILY PROGRAMMES in Spanish, Portuguese, French & English: W. 06.30–07.30, 12.00–14.00, 18.00–21.00. Sun.: 12.00–14.30, 18.30–20.30.

Santa Isabel 7160 kc/s 41.87 m 5 kW.

N. in Spanish: W. 13.15–13.30. – **Portuguese:** W. 18.00–18.30 (N. 18.10).

French: W. 18.45–19.15 (N. 18.55). – English: W. 19.30–20.00 (N. 19.40).

INTERVAL-SIGNAL: Opening: "Los Voluntarios". Close down: Spanish National-Hymn.

ANNOUNCEMENT: "Aquí emisora de Radiodifusión de Santa Isabel de Fernando Poo". **VERIFICATION** by letter.

RADIO ECUATORIAL.

ADDRESS: Radio Ecuatorial, Bata.

LEADING PERSONALITY: Dir. Enrique Lopéz Saéz.

HOME SERVICE in Spanish:
Bata 8800 kc/s 34.09 m 0.4 kW 12.30–13.45, 20.15–22.00.

ANNOUNCEMENT: "Aqui Radio Ecuatorial, Bata, La Voz de Espana en Guinea". VERIFICATION by letter.

IVORY COAST (French West Africa)

RADIO ABIDJAN (Govt.)

ADDRESS: Service de l'Information, B. P. 1571, Abidjan.

LEADING PERSONALITIES: "Chef du Service de l'Information" and Radio Abidjan: M. Doustin; Dir. Tec. Telecommunications: M. Metayer; Dir. Transmissions: M. Lubin; Dir. Tec. R. Abidjan: M. Haillecourt; Dir. Prgr.: M. Maquier.

HOME SERVICE in French and Vernacular.
1495 kc/s 200 m 1 kW } W.: 06.45–07.30, 12.15–13.30, 18.30–
4945 – 60.67 – 5 – } 22.30; Sun.: 07.15–14.00, 18.00–22.30.
4824 – 62.18 – 3 – experimental.

N.: French: 07.00, 12.30, 20.30, 22.00. N. in African dialects: 18.30–18.45. Thurs. Sat. – Weatherrep.:12.45. – "Magazin Africain": 18.30 Mo. Tues. Wed.

ANNOUNCEMENT: "Ici Abidjan, station de radiodiffusion de la Côte d'Ivoire emettant sur...".

INTERVAL-SIGNAL: First 10 bars of the Allobroges.

VERIFICATION by QSL-card. Reports requested. I.R.C. should be enclosed.

KENYA

KENYA BRODCASTING SERVICE

Conducted by Cable and Wireless Ltd. under license from Government. The Department of Information is responsible for all broadcasts to Africans. (East African Broadcasting Service).

CABLE AND WIRELESS BROADCASTING SERVICE:

ADDRESS: Cable and Wireless Ltd., Electra House, Kabete. P.O. Box 777, Nairobi. Cable: Empiregram.

LEADING PERSONALITIES: Man.: K. G. Rogerson. Dir. Progr.: Richard Coltart.

HOME SERVICES: VQ7LO

683 kc/s	440	m	2	kW	–	4885 kc/s	61.44 m	6	kW
863 –	347.6	–	5	–	–	6060 –	49.50 –	2.5	–
3315 –	90.50	–	2.5	–	–				

ENGLISH: 10.00 (Sun. 07.00)–11.00, 15.00–20.00 (Sun. 19.00) on 863, 4885 kc/s. From 18.30 also on 3315 kc/s.
N. (BBC): 16.00 (W), 18.00. Local N.: 16.10 (Sun. 16.45), 18.15. – Weatherreports: 16.15 & 18.20. – Time-Signals: 10.00, 10.30, 11.00, 15.00, 16.00, 18.00, 20.00 (W). – Religious: Sun.: 07.00–07.15, 15.30–16.30. Wed. 15.45–16.00. – Request Prgr.: Mo. Fri. 15.00–16.00.
HINDUSTANI: 10.00 (Sun. 07.00)–11.00 on 683, 6060 kc/s, 15.45–18.30 on 683/3315 kc/s.

ANNOUNCEMENT: "This is the Cable and Wireless Broadcasting Station, Nairobi, calling you on wavelenghts of 347.6 and 61.44 metres", or in Hindustani "440 and 49.5 (or 90.5) metres".
VERIFICATION: Reports from Overseas Listeners not required.

EAST AFRICAN BROADCASTING SERVICE:

ADDRESS: Department of Information, P. O. Box 1525, Nairobi. Cable: "Knowledge", Nairobi.
LEADING PERSONALITIES: Dir. of Information: J. H. Reiss (Acting). Dir. of Broadcasting: A. M. Dean.

HOME SERVICE:

	kc/s	m	kw		kc/s	m	kW
Nairobi	620	483.9	0.6	Nyeri	6170	48.62	0.2
–	4934	60.80	6	Mombasa	4985	60.18	0.25

On 620/4934 kc/s: Swahili: W. 03.30–04.30, 10.00–11.00, 14.00–18.15. Sun.: 06.00–10.00, 15.00–18.00. Kipsigis/Nandi: W. 12.45–13.00. Luo: W. 13.00–13.15. Luluhya: W. 13.15–13.30. Kikamba: W. 13.30–13.45. Sun. 14.30–15.00. Kikuyn: W. 13.45–14.00.
On 6170 kc/s: Kikuyu: D. 09.00–10.00, 14.00–16.00. On 4985 kc/s: Swahili: W. 15.30–16.15, 16.30–17.30. Arabic: W. 16.15–16.30.

FORCES BROADCASTING SERVICE No. 2 (Military)

ADDRESS: British Forces Post Office 10, P.O. Box 4040, Nairobi.

LEADING PERSONALITY: Station Commander: I. R. Woolf.

HOME SERVICE: W. 03.00–05.00, 09.30–20.00. Sun. 04.00–20.00. 5034 kc/s 59.6 m, 0.25 kW. From: 04.00–20.00 on 6112 kc/s 49.06 m 0,25 kW. Relayed prgr. and recorded entertainment for troops in E. A. Command. Language used: English, Swahili.

ANNOUNCEMENT: "This is your Forces Broadcasting Service, East Africa Command".

INTERVAL-SIGNAL: "Marigold" played on piano.

VERIFICATION by QSL-card.

LIBERIA

RADIO STATION ELWA (Religious – Cultural).

ADDRESS: Radio Station ELWA, Box 192, Monrovia.
Cable: "Evangel, Liberia".

LEADING PERSONALITIES: Station Man.: Rev. R. G. de la Haye. Dir. Tec.: Herschel Ries. Program Dir.: Dick Reed.

HOME AND FOREIGN SERVICE:
710 kc/s 422 m 1 kW. 11800 kc/s 25.42 m 10 kW d 4835 kc/s 62.05 m 10 kW d.
710 kc/s: W. 06.45–08.45, 18.45–21.45. Sun. 07.45–11.15, 16.45–23.15 in English and local dialects (Bassa, Kpelle etc.).
4835 kc/s: W.: 06.45–08.45, 19.45–21.15. Sun. 07.45–11.15, 19.45–23.15 in English, French for West Africa.
English: N. Sat. 19.45 (Liberian news). Request Prgr.: W. 06.45–07.15. French: D. 20.45–21.15 (N. 21.00). – Liberian dialects: Sun. 07.45–08.00 and 10.45–11.15.
11800 kc/s: D. 16.30–18.30 in English, French, West African dialects (Hausa, Yoruba) and Arabic.
French: Mo. 18.00–18.30. – Arabic: Tues. 18.15–18.30. – West African dialects (Hausa, Yoruba etc.): D. 16.45–17.00.

ANNOUNCEMENTS: English: "This is Radio Station ELWA, broadcasting from Monrovia, Liberia". French: "Ici radio evangile, ELWA, Monrovia, Liberia".

VERIFICATION by QSL-card. Postage appreciated.

LIBERIAN BROADCASTING COMPANY (Comm.)

ADDRESS: Liberian Broadcasting Company, Monrovia.

LEADING PERSONALITY: Pres.: Dr. John B. West.

HOME SERVICE:

ELBC 900 kc 333.3 m 15 kW – ELBI 6022 kc 49.79 m 1 kW
In English, French and Arabic: 15.45–23.45.

ANNOUNCEMENT: "This is the Liberian Broadcasting Company".

LIBYA

RADIO TRIPOLI (Govt.)

ADDRESS: Radio Tripoli, c/o Tripolitania, Liaison Officer, Tripoli.

STATION: 1052 kc/s 285 m 1 kW. D. 18.30–21.00 in Arabic.

ANNOUNCEMENT: "Here is Tripoli" (in Arabic).

VERIFICATION by QSL-card and letter. No postage required.

FORCES BROADCASTING STATION No. 1 (British War Department).
ADDRESS: No. 1 Forces Broadcasting Station, British Forces Post Office, 57, Tripoli.
LEADING PERSONALITIES: Station Commander: Richard L. Angove. Prgr. Officer: Peter K. Holwill. Tech. Officer: Gordon Mills.
DAILY PROGRAMMES in English on 1484 kc/s 202.2 m 7.5 kW: 05.30–07.30, 11.30–22.00 (During summer 1 hour ealier).
ANNOUNCEMENT: "This is the Forces Broadcasting Station Tripoli" (on the hour).
VERIFICATION by QSL-card and letter. No return postage required.

FORCES BROADCASTING STATION No. 5 (Military).
ADDRESS: British Forces P.O. 55, Benghazi.
DAILY PROGRAMMES in English:
881 kc/s 340 m, 1420 kc/s 211 m
4930 kc/s 60.85 m 7.5 kW 04.00–06.00, 10.30–14.00.
7220 – 41.55 – 7.5 – 14.15–21.00.
VERIFICATION by QSL-card.

ARMED FORCES RADIO SCE. (USA Air Force)
Wheelus Field 1510 kc/s 199 m 1 kW.

MADAGASCAR

RADIO TANANARIVE (Govt.)

ADDRESS: Place Colbert, Tananarive. Cable: "Radio Tananarive"

LEADING PERSONALITIES: Dir. du Service Général de l'Information: Gilbert Saron. Dir. "Radio Tananarive": Robert Guillon. Dir. Malgache Network: R. Rabesahala.

W.: 03.30–05.30, 09.00–11.00, 15.00–19.50.
Sun.: 04.00–07.45, 08.30–11.00, 14.30–19.30.
1550 kc/s 193.55 m 1 kW – 6172 kc/s 48.60 m 1 kW
3205 – 93.66 – 5 – – 9515 – 31.53 – 1 –
N.: 04.00(W), 05.15(Sun.), 09.00, 16.00, 18.00.

Malgache Network
W.: 03.30–05 (Sun. 04.00–07.30), 15.00–18.00.
3350 kc/s 89.60 m 1 kW – 7135 kc/s 42.05 m 1 kW.
N.: 04.05(W.), 09.15, 15.30, 17.30.

ANNOUNCEMENT: French: "Ici Radio Tananarive" – at opening followed by: "Voici notre émission de la journée diffusée sur les longueurs d'ondes suivantes...".
INTERVAL-SIGNAL: Malgache music.
VERIFICATION by QSL letter. Return postage requested.

MAURITIUS

MAURITIUS BROADCASTING AND NEWS SERVICE (Govt.)

ADDRESS: Forest-Side.

LEADING PERSONALITIES: Manager: C. de Chazal. Dir. Tec.: P. G. N. Murray.

HOME SERVICE:
1364 kc/s 220 m 5 kW – 15037 kc/s 19.96 m 1.5 kW
W.: 03.00–04.15, 08.00–09.30, 13.00–17.30. Sun.: 03.00–09.15, 13.00–17.30. Tues., Thurs. also 09.30–10.15 and Wed. 09.30–10.00.
ANNOUNCEMENTS: English: "This is the Mauritius Broadcasting Service". French: "Ici le M. B. S. poste de Radiodiffusion de l'Ile Maurice".

VERIFICATION by QSL-card. Return postage not required.

MOROCCO (French)

RADIO-MAROC (Govt.)

ADDRESS: Maison de la Radio, Rue Coli, Rabat. Cable: "Radio-Maroc".

LEADING PERSONALITIES: Dir.: M. Paul Peyre. Chief Ed.: M. Verdoux-Piverd. Dir. Tec.: M. François Goure. Dir. News Dept.: M. Julien Le Moyne. Dir. Adm.: M. Robert Grolleau. Dir. Artistic General Secretary: M. Albert Lestage. Chief Arabic Dept.: M. Louis Gousse. "Conseiller" Arabic Dept.: M. Abdelhamid Hajoui.

HOME SERVICE

NETWORK A: French.
W.: 06.45–09.00, 12.00–14.30, 18.00–23.00, Sat · 06.45–09.00, 12.00–24.00. Sun. 07.30–23.00.

	kc/s	m	kW		kc/s	m	kW
Sebaa-Aioun	611	491	120	Casablanca	1196	250	1
Rabat	827	363	1	(from 20.00 only)			

Short Wave: 6006 kc/s, 49.95 m, 1 kw. FM: Casablanca 90 mc/s, 0.25 kw.
N.: 07.00, 08.00, 13.00, 14.30, 18.30, 20.00, 22.55.

NETWORK B: Arabic.
W.: 06.45–08.30, 12.00–15.00, 17.00–23.00. Sun.: 07.30–11.00, 12.00–15.00, 17.30–23.00.

	kc/s	m	kW		kc/s	m	kW
Sebaa-Aioun	701	428	120	Rabat	827	363	1 (till 20.00)
Rabat	1043	288	20 (from 20.00 only).				

Short Waves: 5968 kc/s 50.25 m; 15205 kc/s 19.73 m 50 kW 12.30–14.30.
N.: 07.00, 08.00, 08.30, 09.00, 13.15, 14.30, 19.15, 20.30, 22.40.

NETWORK C: English and Spanish.
English: 18.30–19.30 (exc. Sat., Sun.). Spanish: W. 19.30 (Sat. 18.30)–20.00.
Rabat 1043 kc/s 288 m 20 kW. – Short Wave 7214 kc/s 41.59 m 50 kW.
ANNOUNCEMENTS: French: "Ici Radio-Maroc" ou "Ici Rabat, Radiodiffusion Marocaine". – Arabic: "Hunna Radio el Moghrib" or "Hunna ear Ribat".
At opening and closing: "Marseillaise" and "Hymne Chérifien".

VERIFICATION by QSL-card.

FUTURE PLANS: New stations in Casablanca (1484 kc/s 1kW), Oujda (1484 & 1196 kc/s 1 kW), Sebaa Aioun (1196 kc/s 20 kW).

US ARMED FORCES RADIO SERVICE STATIONS

Port Lyauteau WNAA 1512 kc/s 198.3 m 1 kW (US Navy) 07.00–24.00 (Fri. 07.00–Sun. 24.00 without break).
Nouasseur WIND 1594 kc/s 188.2 m 0.1 kW (US Air Force) "The News Broadcasting System" 24 hours daily.
Sidi-Slimane WCOX 1594 kc/s 188.2 m 0.1 kW (US Air Force), Tangier.
Ben Guerir WLEM 1594 kc/s 0.1 kW. – Rabat KFAD 1594 kc/s 0.1 kW.

MOROCCO (Spanish)

RADIO DERSA (Comm.)

ADDRESS: Empresa "Torres Quevedo", S. A., Tetuán. Cable: Tecusa.

LEADING PERSONALITIES: Pres.: Excmo. Conde de Marsal Dir. Adm.: Antonio de Molina. Dir. Tec.: Manuel Picardo. Dir. Progr.: Gaspar Tato Cunming.

HOME SERVICE from Tetuan in Spanish and Arabic:

EHT–3	827	362.8	20	13.00–15.00 Arabic, 17.00–23.00 Spanish
EHT–2	917	327.2	5	11.00–17.00 Spanish, 19.00–22.00 Arabic
EHT–1	6067	49.45	0.25	11.00–23.00 Spanish.

ANNOUNCEMENT: Spanish: "Aqui Radio Dersa Tetuán". Arabic: "Huna Radio Dersa – Tetuán".

VERIFICATION by QSL-card. Return postage not required.

FUTURE PLANS: New 20 kW m.w. transmitter.

MOZAMBIQUE (Portuguese East Africa)

RADIO CLUBE DE MOÇAMBIQUE (Comm.)

ADDRESS: P.O. Box 594, Lourenço Marques. Cable: Radioclub.

LEADING PERSONALITIES: Pres.: Capt. Antonio dos Santos Figueiredo Manager: A. Meirim. – Dir. Tec.: A. das Neves Gonçalves. Chief Technician: V. Rodrigues.

PORTUGUESE NETWORK: 05.00–06.00 (not CR7BM), 09.30–11.30 (Sat. Sun. 12.00), 15.45–20.15 (not CR7BK).

Calll.	kc/s	m	kW	Period
CR7BO	737	407	0.3	All the year round
CR7BK	927	323	10	All the year round
CR7BM	3440	87.21	7.5	October–April
CR7BV	4829	62.11	10	All the year round
CR7BE	11984	25.03	10	April–October
CR7BG	15285	19.63	10	October–April

News: 05.15, 10.30, 17.00 and 24.00.

ANNOUNCEMENT: On the hour – 4 notes on gong followed by: "Aqui, Lourenço Marques, Radio Clube de Moçambique, trabalhando em ondas curtas e onda media". (This is the Radio Club of Mozambique –).

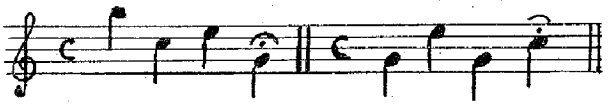
VERIFICATION by QSL-card.

ENGLISH NETWORK: 04.00 (Sun. 05.00)–21.00 (Sat. 22.00).

Calll.	kc/s	m	kW	
CR7BK	917	327	10	04.00(Sun. 05.00)–04.45, 15.30–21.00 (Sat. 22.00)
CR7BM	3222	92.9	7.5	04.00 (Sun. 05.00)–06.00 15.15–21.00 (Sat. 22.00)
CR7BU	4911	61.08	7.5	04.00(Sun. 05.00)–21.00 (Sat. 22)
CR7AA	7250	41.38	7.5	06.15–15.00
CR7BE	9772	30.69	7.5	04.00 (Sun. 05.00)–06.15
CR7BF	11742	25.55	7.5	06.15–16.30 for S. Africa.

ANNOUNCEMENT: Every quarter or half hour 4 notes on gong followed by "Lourenço Marques for Happy Listening in the ... metre bands".

INTERVAL-SIGNAL FOR HOME- AND FOREIGN SERVICES: Gong.



VERIFICATION by QSL-card.

BRANCH STATIONS. In Portuguese.
Nampula: 1228 kc/s 244 m 0.25 kW. } 10.00–11.30
Niassa: 3521 – 85.23 m 0.6 kW } 16.30–19.00

The times indicated in the advertisement on page 84 are local time.

EMISSORA DO AERO CLUBE DA BEIRA (Priv.-Comm.)

ADDRESS: Caixa Postal No. 3, Beira.

LEADING PERSONALITIES: Pres. Eng.: Jorge Pereira Jardim and Liborio L. L. Rodrigues. Dir. Tec.: Humberto Ramos Ataide.

HOME SERVICE in Portuguese: 10.30–12.30, 16.00–20.15.
CR7IB 7225 kc/s 41.52 m 0,35 kW – CR7IC 4875 kc/s 60.15 m 0.45 kW.

ANNOUNCEMENT: "Aqui Beira! Estaçao Emissora do Aero Clube, transmitindo em ondas curtas em 42 e 84 metras".

INTERVAL-SIGNAL: Two chimes: do (natural) – la (flat)).

VERIFICATION by QSL-card. **FUTURE PLANS**: FM and a 5 kW station for broadcasting to Rhodesia.

RADIO PAX (Religious – Owned by Franciscan's Fathers).

ADDRESS: Caixa Postal 594, Beira.

LEADING PERSONALITIES: Pres.: Dr. A. Limoes. Dir. Dr. E. Costa. Man.: Eng. C. Roca. Dir. Tec.: Eng. J. Goneelves. Dir. Prgr.: Dr. A. Pacheco.

HOME SERVICE in **Portuguese**:
CR7RA 3952 kc/s 75.91 m 0.375 kW D. 16.30–19.00.
CR7RB 7205 – 41.64 – 0.05 – Sun. 05.45–07.00.
N.: 18.15–18.30. – **National Music**: 18.00–18.15. – **Rel. Prgr.**: Sun. 05.45–07.00, 17.45–18.00. D. 16.30–17.00.

NIGERIA

NIGERIAN BROADCASTING SERVICE (Govt.).
ADDRESS: Broadcasting House, Lagos. **Cable**: "Broadcasts", Lagos.

LEADING PERSONALITIES: Dir.: T. W. Chalmers. Dir. Tec.: J. W. Murray. Controller National Prgr.: J. F. Grist. Regional Staff: West: – Contr.: Post vacant. Eng.: E. H. Gill. – East: – Contr.: T. B. Radley. Eng.: R. Stones. – North: Contr.: J. F. Wilkinson. Eng.: M. A. Lee.
Eastern Region: Vacant. Progr. Organiser, Ibadan: A. O. Williams.

HOME SERVICES:

NATIONAL PROGRAMME (from Lagos): Basic language **English**.
1358 kc/s 220.9 m 0.3 kW 05.00 (Sun. 06.00) – 22.00.
4800 – 62.50 – 20 – 05.00 (Sun. 06.00) – 22.00.
N. & Commentary: 12.30, 17.00, 17.15, 21.00. – **Religious Prgr.**: Christian and Muslim. W. 05.00–05.30, 17.45–17.55. Sun. 06.15–06.30, 07.15–07.45, 19.30–20.00. – **English by R.**: D. 05.10–05.15, 20.55–21.00. – **Request Prgr.**: Sun. 10.15–11.00; Mo. 04.30–05.00; Wed. 16.15–17.00. Thurs. 16.30–17.00, 21.15–22.00; Sat. 18.30–19.00. – **Prgr. Preview**: D. 14.09, 17.56. – **Weatherreport**: D. 17.55.

NORTH REGIONAL PROGRAMME (from Kaduna): Basic languages **English & Hausa** (Also 9 other languages).
3326 kc/s 90.20 m 7.5 kW 05.55–07.00, 17.55–22.00.
7175 – 41.81 – 7.5 – 13.55–16.00.

WEST REGIONAL PROGRAMME (from Ibadan): Basic languages **English & Yoruba**: 05.15–22.00.
3995 kc/s 75.09 m 1 kW 5035 kc/s 59.58 m 0.3 kW

EAST REGIONAL PROGRAMME (from Enugu): Basic languages **English & Ibo**: 05.00–22.00.
3965 kc/s 75.65 m 2.5 kW 6175 kc/s 48.58 m 0.3 kW.

ANNOUNCEMENTS: **Lagos**: "This is the National Programme of the Nigerian Broadcasting Service". **Kaduna**: "This is the North Regional Programme of the Nigerian Broadcasting Service". **Enugu**: "This is the East Regional Programme of the Nigerian Broadcasting Service". **Ibadan**: "This is the West Regional Programme of the Nigerian Broadcasting Service".

INTERVAL-SIGNAL: Yoruba drums beating out: "This is the N.B.S."

Also Yoruba, Ibo and Hausa music signatures played regularly before vernacular news bulletins.

VERIFICATION by letter. Reports welcomed.

NORTHERN RHODESIA

CENTRAL AFRICAN BROADCASTING STATION (Govt.).

The Central African Broadcasting Station broadcasts to African Listeners of the Federation of Rhodesia and Nyasaland.

ADDRESS: P.O.Box 209. **Cables**: "Broadcasts", Lusaka.

LEADING PERSONALITIES: Chief Information Officer: G. G. Phillips. Broadcasting Officer: P. M. Treasure. Broadcasting Eng.: J. M. Reeves.

HOME SERVICE: **Lusaka ZQP.**
3346 kc/s 89.65 m 2.5 kW (April-September only). D. 16.15–19.00.
4826 – 62.16 – 15 – W.: 10.00–19.00. Sun. 09.00–19.00.
7220 – 41.55 – 15 – W.: 10.00–16.05. Sun. 09.00–16.05.

AFRICAN PROGRAMME:
In Vernacular Languages (Chibemba, Chishona, Chinyanja, Sindebele, Chitonga, Lunda/Luvale, Silozi): W. 10.00–18.00.

These are your

Lourenco Marques Radio

Wavebands for happy listening

* 6.00 a. m. to 8.15 a. m.	9.772 mcs. (31 m. band)
	4.911 mcs. (60 m. band)
(until 8.00 a. m.)	3.222 mcs. (92 m. band)
(until 6.45 a. m.)	917 Kcs. (327 metres)
8.15 a. m. to 5.15 p. m.	11.742 mcs. (25 m. band)
(until 5.00 p. m.)	7.250 mcs. (42 m. band)
	4.911 mcs. (60 m. band)
5.15 p. m. to 6.30 p. m.	11.742 mcs. (25 m. band)
	4.911 mcs. (60 m. band)
	3.222 mcs. (92 m. band)
(from 5.30 p. m.)	917 Kcs. (327 metres)
† 6.30 p. m. to 11.00 p. m.	4.911 mcs. (60 m. band)
	3.222 mcs. (92 m. band)
	917 Kcs. (327 metres)

* Sundays from 7.00 a. m. † until 12.00 midnight on Saturdays. NOTE: Subject to seasonal changes.

LOURENÇO MARQUES *For Happy Listening*

For full information see page 83

Nigeria Northern Rhodesia advertisement Lourenco Marques Radio

Chinyanja News: W. 10.30, 16.00. – **Chibemba News:** W. 11.00. – **News from Africa:** 16.30 (Thurs. 16.25, Sat. 16.40). – **"English by Radio":** W. 11.15 (exc. Thurs.).
In English: W. 18.00–19.00, Sun. 11.00–18.00.
News: 18.00 (BBC), 18.10 (CABS). – **Northern Rhodesia News:** Sun. 13.00; **Nyasaland News:** Sun. 13.45. – **Southern Rhodesia News:** Sun. 14.20. – **World News:** Sun. 17.00. – "English by Radio": W. 18.25, Sun. 11.05, 16.00.
EUROPEAN PROGRAMME in English: Sun. 09.00–11.00, 18.00–19.00.
News: 18.00 (BBC), 18.10 (CABS). – **"Concert Hour": 09.02.**

ANNOUNCEMENTS: English: "This is the Central African Broadcasting Station in Lusaka broadcasting to Africans in the Rhodesias and Nyasaland". **Chinyanja:** "Kuno ndi ku Central African Broadcasting Station mu Lusaka. Moni kwa inu nonse mu Rhodesia ndi Nyasalandi".

INTERVAL-SIGNAL: Barotse drums and xylophone.

VERIFICATION: Listeners reports from the Federation required.

REUNION

RADIO REUNION (Govt.)

ADDRESS: Radiodiffusion Française, Saint-Denis.

LEADING PERSONALITY: Chef des Services de la Radiodiffusion Française à la Réunion: M. Billaud.

STATIONS: St. Denis
624 kc/s 480.0 m 1 kW times as below.
3380 – 88.76 – 1.5 – 02.30–04.00, 14.00–18.30.
4820 – 62.24 – 1.5 – 08.00–09.30 (Sun. 04.00–10.30).
7170 – 41.84 – 0.2 – times as below.

HOME SERVICES in French:
W. 02.30–04.00, 08.00–09.30. Sun. 04.00–10.30. Daily 14.00–18.30.
News: 02.30(W), 03.30(W), 04.15(Sun), 08.30, 14.07(W), 16.30. **Weatherreports:** 03.30(W), 16.30. **Request Prgr.:** Sun., Thurs. 14.00–17.00. **Religious:** Sun. 07.30–08.00 (Catholic), W. 14.15–14.30 (Voix de l'Espérance).

ANNOUNCEMENT: "Ici la Réunion, Radiodiffusion Française".

VERIFICATION by letter.

SOUTHERN RHODESIA

FEDERAL BROADCASTING SERVICE (Govt.)

ADDRESS: Federal Broadcasting Service of Rhodesia and Nyasaland, P.O. Box 8, Causeway, Broadcasting House, Salisbury. – **Cable:** Broadcasts Salisbury.

LEADING PERSONALITIES: Controller European Service: John Parry. Ass. Controller: Helen Kelly. Progr. Producer: Tom Pile. Studio Man., Bulawayo: John Hooper.

HOME SERVICE
W.: 05.30–06.30, 09.00–12.00, 15.00–20.00. Sun.: 08.00–12.00, 16.00–20.00.

	kc/s	m	kw		kc/s	m	kw
Salisbury	584	514	2	Gwelo	1043	288	2
	3396	88.35	7.5	Gatooma	791	379	2
	6018	49.84	7.5	Umtali	980	306	2
	9505	31.56	3	Que Que	746	402	2
Bulawayo	611	491	2				

Weather Rep.: Winter 17.55. Summer 11.15, 16.00, 17.55. **Time-Sig.:** D. 06.00, 11.00, 18.00 (B.B.C.). – N.: 06.00 (B.B.C.), 09.10 (S.A.P.A.), 11.00 (B.B.C.), 17.15 (Newsreel), 18.00 (B.B.C.), 18.15 (S.A.P.A.).

ANNOUNCEMENT: "Salisbury Calling". – "This is the Federal Broadcasting Service".

INTERVAL-SIGNAL: Bells (St. Margaret's Chimes), Harp Glissandos.

VERIFICATION by letter. Return postage not required.

SAO TOMÉ (Portuguese)

RADIO CLUBE DE SAO TOMÉ E PRINCIPE (Comm.)

ADDRESS: Avenida da Armada, Sao Tomé. **Cable:** Radioclube.

HOME SERVICE in Portuguese:
CR5SC 4807 kc/s 62.40 m 1 kW 19.00–21.00
CR5SB 17677 – 16.97 – 1 – 12.00–13.00 (Sun., Thurs).

ANNOUNCEMENT: "Aqui Sao Tomé, Radio Clube de Sao Tomé e Príncipe, a trabalhar na banda dos... metros".

INTERVAL-SIGNAL: Re-Do-Mi.

VERIFICATION by QSL-card. Return postage not required.

SEYCHELLES (British)

THE SEYCHELLES BROADCASTING SERVICE (Govt.)

ADDRESS: Education Department, Victoria Rd., Mahé, Seychelles.

LEADING PERSONALITY: *Director of Education:* G. I. Michael.

HOME SERVICE: in English & French: W. 15.15–16.15, Sun. 14.00–15.00.
ZCQ3 4990 kc/s 60.2 m 0.1 kW.

SENEGAL (French West Africa)

RADIODIFFUSION FEDERALE AOF (Govt.)

ADDRESS: 58, Avenue de la République, Dakar.

LEADING PERSONALITY: Dir. Fédéral: M. Jean Arnaud.

HOME SERVICES:

DAKAR FEDERAL-NETWORK:
1430 kc/s 209.8 m 5 kW 5960 kc/s 50.34 m 25 kW
4893 – 61.32 – 4 – 11895 – 25.22 – 25 –

DAILY PROGRAMMES in French & dialects of the Federation:
W. 06.30–08.00, 11.45–14.00 on 1430/4893/11895 kc/s. – 17.30–18.30 on 4893/11895 kc/s. – 18.30–23.00 on 1430/4893/5960 kc/s. Sat. 06.30–08.00, 11.45–18.30 on 1430/4893/11895 kc/s. 18.30–23.00 on 1430/4893/5960 kc/s. Sun. 07.00–23.00 on 1430/4893/11895 kc/s.
N. in French: 07.30, 13.00, 20.00, 23.00. **N. in Sénégal-Dialects:** 17.30–18.30 on 1430 kc/s. **Religious:** Fri. 13.00–14.00 in **Arabic & Oulof.**

RADIO DAKAR NETWORK:
1538 kc/s 195.1 m 5 kW 6045 kc/s 49.63 m 5 kW.
DAILY PROGRAMMES in French & dialects of French West Africa: W. 07.00–08.30, 12.30–14,00.17.30–23.00. Sun. 07.00–23.00. **N. in French:** 07.30, 13.00, 20.00. – **Religious:** Sun. 09.00–11.00 (Catholic & Protestant Service). **N. in dialects of French West Africa:** 17.30–18.30.

FOREIGN SERVICE
English to Gambia, Liberia, Sierra Leone: Mo. Thurs. 22.45–23.00 on 1430/4893/5960 kc/s.
Portuguese to Portuguese Guinea: Mo. Thurs. 22.30–22.45 on 1430/4893/5960 kc/s.

ANNOUNCEMENTS: French: "Ici Dakar, Radiodiffusion Fédérale de l'Afrique Occidentale Française. Programme chaîne Féderal.... ou Radio Dakar émettant sur...." English: "Here is Dakar, Federal Network, Station of West African Broadcasting Corporation". Portuguese: "Aqui Dakar, Fédéral Radiodifusion de l'Africa Occidental Francese".

INTERVAL-SIGNAL: Federal Network: Infanterie de Marine.
R. Dakar: Sidi Brahim.

VERIFICATION by QSL-card. Return postage required.

SOMALILAND (Italian)

RADIO MOGADISCIO (Govt.)

ADDRESS: Comando Base della Marina in Somalia, Direzione Sviluppo Economico Telecomunicazioni, Mogadiscio.

HOME SERVICE in Somali and Italian.
4978 kc/s 60.27 m 4 kW – 7072 kc/s 42.42 m 0.3 kW.
Somali: 09.30–10.00 on 7072 kc/s, 13.30–15.00 & 16.00–17.00 on 4978/7072 kc/s.
Italian: 10.00–10.45 on 7072 kc/s; 17.00–18.00 on 4978/7072 kc/s.

ANNOUNCEMENT: "Trasmette Mogadiscio".

SOMALILAND (British)

RADIO SOMALI (Govt.)
ADDRESS: P.O. Box 14, Hargeisa. **Cable:** Informat.
LEADING PERSONALITIES: Information Officer: J. M. Webber. Asst. Inf. Officer: A. A. Farah. Prgr. Asst.: M. H. I. Galaal. Senior Broadcaster: A. Dualeh, B.E.M.

HOME SERVICE in Somali: 7126 kc/s 42.10 m 1kW 13.30–14.25. Prgr. Preview: 13.30–13.32. N.: 14.15–14.30. National Music: 13.45–14.00 (exc. Mo. Sat.), 14.30–14.45. Religious: Tues. Fri. 13.32–13.45. Mailbag: Mo. Sat. 13.45–14.00.
ANNOUNCEMENT: "Halkun waa Hargaisa, Radio Somali".
VERIFICATION by QSL-card. Return postage appreciated, but not necessary.
FUTURE PLANS: New studios will be opened by January 1956.

SUDAN

SUDAN BROADCASTING SERVICE (Govt.)
ADDRESS: P.O. Box 522, Khartoum. Cable: "Irshad".
LEADING PERSONALITIES: Dir. Gén.: M. A. Khangi. Asst. Dir. Gen.: Khater Abu Bakr. Dir. Tec.: Ibrahim Ghobrial.

HOME SERVICE in Arabic and English from Omdurman:
572 kc/s 524.0 m 50 kW – 7100 kc/s 42.25 m 0.35 kW
9400 – 31.91 – 6 –
Arabic: D.: 04.15–05.30, 14.30–19.30. Additional: Fri.: 07.30–09.30, Sun.: 08.00–09.00. N.: 04.30, 16.40, 19.10. English: D.: 16.00–16.30. N.: 16.00.
ANNOUNCEMENT: Arabic: "Huna Omdurman". English: "This is the Sudan Broadcasting Service".
VERIFICATION by letter. Reports are welcomed. Return postage not necessary.

TANGANYIKA

TANGANYIKA BROADCASTING SERVICE (Govt.)
ADDRESS: Box 1649, Dar-Es-Salaam. Cable: "Sauti".
LEADING PERSONALITIES: Commisioner for Social Development: J. P. Moffet. Broadc. Officer: D. Swannie, M. B. E. Education Officer: C. W. W. Ryan, M.A. (T.C.D.). Chief-Eng.: J. T. Waldron.
HOME SERVICE in Kiswahili and English: 16.00–19.30.
1250 kc/s 240.0 m 1.25 kW 5050 kc/s 59.41 m 20 kW
3251 – 92.28 – 0.25 kW
Kiswahili: 16.00–18.00. N.: 17.00. Weatherr.: 17.10. English: 18.00–19.30. N.: 18.00 (BBC), 18.15 (Local), Weatherrep.: 18.15. Request Prgr.: Fri. 18.20–19.30.
ANNOUNCEMENT: Kiswahili: "Hii ni Sauti ya Tanganyika". English: "This is the Tanganyika Broadcasting Service". INTERVAL-SIGNAL: Marimba.
VERIFICATION: by QSL-card. Reports are appreciated. Return postage not required.

TANGIER

The International Administration in Tangier announces that the following frequencies and powers are authorized to be used by the different Broadcasting Companies in Tangier:
Radio Africa: 935 kc/s 100 kW – 683 kc/s 12 kW – 15245 kc/s 20 kW – 7126 kc/s 5 kW. –
Radio International: 1079 kc/s 10 kW – 1232 kc/s 50 kW – 6025 kc/s 10 kW – 7175 kc/s 2.5 kW. –
Pan-American Broadcasting System: 1128 kc/s 0.5 kW – 7290 kc/s 0.5 kW. –

RADIO-AFRICA-MAGHREB (Comm.)
ADDRESS: 9 rue de Russie, Tangier. Cable: "Rafrica", Tanger.
LEADING PERSONALITIES: Deputy Adm.: J. de Bournet. Dir. Gen.: L. Lartigau. Dir. Prgr.: G. Marquet. Dir. Press & Information: A. Arnone. Dir. Adm.: P. Joubert. Dir. Tec.: B. Settinger. Secr. Prgr.: J. Lalanne. Arabic Dept.: M. Ajenui. Spanish Dept.: H. Blanco. Publicity Dept.: Miss A. Sillero-Roman.

HOME SERVICE: 935 kc/s 321.1 m 100 kW
W. 07.00–09.00, 11.30–22.00. Sun. 08.00–22.15.
In French, Spanish and English: W. 07.00–09.00, 11.30–17.30, 19.45–22.00. – In Arabic: 17.30–19.45.
Religious: Sun. 21.45–22.15. Fri. 17.30–17.45.
N. & Commentary: 07.55, 08.55, 11.55, 12.55, 13.55, 14.55, 15.55, 16.55, 19.55, 20.55, 21.55. – "Actualités Marocaines": 12.46, 19.46. – Weatherrep.: D. 08.05, 13.05, 20.00. – Women Prgr.: D. 15.00. – Lyric: Wed. 21.00. – Symphony: Fri. 21.00. – Music-hall: Sat. 21.30. – Request Prgr.: Sun. 08.30–10.00.
ANNOUNCEMENTS: French: "Ici Radio-Africa-Maghreb". Spanish: "Aqui Radio-Africa-Maghreb". English: "This is Radio-Africa-Maghreb".
INTERVAL-SIGNAL: Bell – VERIFICATION by QSL-card.

RADIO-AFRICA-TANGER (Comm.)
ADDRESS: 9 rue de Russie, Tangier. Cable: "Rafrica Tangier".
LEADING PERSONALITIES: Deputy Administr.: J. D. de Bournet. Gen. Secr.: C. Dubreuilh. Comm. Man.: Pierre Benoit. Chief Eng.: B. Settinger. Artistic Service: Miss Juana Tellez. Plays: A. Domper. French Dept.: Régine Claude. Italian Dept.: R. Fiorilla. Spanish Dept.: P. Santisteban. Arabic Dept.: Amina Soussi. Listeners Service: Miss Maria Carmen Del Duce.

HOME SERVICE:
683 kc/s 439.2 m 1.25 kW: 11.00–16.00, 19.00–24.00.
French: 12.00–13.15. Italian: 13.15–13.45. Spanish: 13.45–16.00. 19.00–23.00. Arabic: 11.00–12.00.
D.: 16.00–16.45, program for Gibraltar under the name of "Radio Africa Gibraltar" in English and Spanish. (For further particulars see page 52).
Religious: Sun. 22.00. Fri. 11.00. – N. & Commentary: D. 12.30–14.00, 22.00. – Weatherrep.: 13.59, 21.59. – Mailbag: Thurs. 13.45.
ANNOUNCEMENTS: English: This is Radio Africa–Tangier. – French: Ici Radio Africa–Tanger. – Italian: Qui Radio Africa–Tangeri. Spanish: "Aqui Radio-Africa-Tanger".
INTERVAL-SIGNAL: Gong and "Espana Cani".
VERIFICATION by QSL-card. Return postage not required.

SHORT WAVE SERVICE for Europe: "RADIO-EURAFRICA".
Stations: 5,10 and 20 kW transmitters operating in the 50 – 41 – 31 –25 and 19 m.b. (Frequencies not yet fixed).
Daily Prgr.: 12.00–16.00, 19.00–22.00, 22.00–24.00. – Prgr. and concerts in Danish, English, Finnish, French, German, Norwegian, Spanish and Swedish.
Announcements: "This is Radio-Africa-Tangier" – "This is Radio Eurafrica Tangier".
Verification by QSL-card. Return postage required.

RELIGIOUS BROADCAST: From 16.45–22.00 arranged by International Broadcasting Association – I.B.R.A.Radio, Box 822, Stockholm 1, Sweden. In Swedish, English, Finnish, French, Dutch, German, Danish and Norwegian. – Announcements: English and French: "IBRA Radio". Swedish: Detta är IBRA Radio som sänder över Radio Africa i Tanger". – Verification by QSL-card.

PAN AMERICAN BROADCASTING SYSTEM (Comm.)
ADDRESS: Pan American Building, 16. rue Delacroix, Tangier. Cable: Panamericana.
LEADING PERSONALITIES: Pres. and Dir.: J. Suriñach Oller. Vice-Pres. and Dir.: C. E. Walbaum.

HOME SERVICE

(P.A.R.)	1	1128 kc/s	266 m	5 kW**	08.00–01.00*
	2	7290 –	41.15 –	3 –	08.00–01.00*
	2	14500 –	20 –	3 –	Under construction.
	3	575 –	522 –	5 –	Not in use.

** Is planned to be increased to 50 kW. * The whole year.

DAILY PROGRAMMES:
08.00–09.00 French. 13.30–17.30 Spanish. 20.00–21.30 French.
09.00–11.30 Spanish. 17.30–18.30 Arabic. 21.30–22.45 Spanish.
11.30–12.00 Italian. 18.30–18.45 Hindi. 22.45–23.00 Symphonic.
12.00–13.30 French. 18.45–20.00 English. 23.00–01.00 Intern. progr.
N.: 09.00 (Spanish), 12.30 (BBC), 13.40 (R. Nacional Espana), 13.50 (Local), 14.00 (BBC Spanish), 18.00 (BBC Arabic), 20.00 (BBC French), 21.30 (VOA Spanish). – Weatherrep.: 08.00, 12.00, 13.45, 20.10, 21.40. (Pan American re-broadcasts also daily sports news and prgr. from "R. Nacional España", weekly prgr. from "R. Canada" and special broadcasts from »R. Vaticano«.
ANNOUNCEMENT: Spanish: Aqui Pan American Radio, Tanger. – French: Ici Pan American Radio, Tanger. – English: This is Pan American Radio, Tangier. INTERVAL-SIGNAL: "Bim Bam Bum."
VERIFICATION by QSL-card. Return postage not required.

SOCIEDAD AFRICANA RADIODIFUSION
ADDRESS: 33 Goya Street, Tangier. – Cables: "Radiointer".
LEADING PERSONALITIES: President: Don Antonio Garrigues y Diaz Canabate. Vice President: M. Lucien Bensimhon. Secretary General: Dn. Virgilio Onate Sanchez. Director General: Mr. Herbert R. Southworth. Administrator: Dn. A. Cuetos Martinez. Chief Engineer: Dn. Jesus Martin Cordova.

BROADCASTERS: RADIO TANGIER INTERNATIONAL:
1232 kc/s 243.5 m 50 kW – 6110 kc/s 49.1 m 1.25 kW.
French: 07.00–09.00, 12.00–16.00, 20.00–22.00.

RADIO TANGIER:
1079 kc/s 278 m 10 kW – 6025 kc/s 49.79 m 10 kW.
English: 12.00–12.30. – Spanish: 12.30–16.00, 18.00–24.00.

THE VOICE OF TANGIER (Missionary)
under the direction of International Evangelism, Inc., Greensboro N.C., USA, is a missionary radio station, dedicated exclusively to the broadcasting of the Gospel of our Lord and Saviour Jesus Christ and is maintained by free-will contributions.
ADDRESS: Station WTAN, British P.O. Box 219, Tangier, Morocco.
LEADING PERSONALITIES: Pres. Rev. Paul Freed. Field Dir. Rev. Ralph Freed.
STATIONS: WTAN – 2.5/10 kW. 6025 kc/s 49.49 m Afternoon
9490 – 31.61 – Evening

DAILY PROGRAMMES: W. 12.45–13.30, 20.30–23.00. Sun. 13.00–14.00, 18.00–18.30, 21.00–22.30.
Spanish: W. 13.00–13.30. Sun. 13.00–14.00. – **English:** W. 20.30–23.00. Sun. 21.00–22.30. – **Portuguese:** Mo. Tues. Wed. Thurs. 12.45–13.00. – **French:** Thurs. 20.45–21.00. – **German:** Tues. 20.30–21.00. – **Yiddish:** Mo. Thurs. Sat. Sun. 20.45–21.00. – **Russian:** Sun. 18.00–18.30.
ANNOUNCEMENT: English: "This is the Evangelical Voice of Tangier". French: "Ici La Voix Evangélique de Tanger". Spanish: "Esta es La Voz Evangelica en Tanger". INTERVAL-SIGNAL: Religious Music. VERIFICATION: by QSL-card.

VOICE OF AMERICA RADIO STATION IN TANGIER
ADDRESS: Voice of America, Tangier Relay Base, c/o American Legation, Tangier; or, Voice of America, Washington 25, D.C., U.S.A.
STATIONS: Short Wave: Tangier 35/50/100 kW twenty-four hours daily.

kc/s	m	kc/s	m	kc/s	m	kc/s	m
3980	75.38	9620	31.19	11875	25.26	15405	19.47
6080	49.34	9635	31.14	11890	25.23	15410	19.47
6140	48.86	9670	31.02	11940	25.13	17705	16.94
7115	42.16	9685	30.98	15130	19.83	17750	16.90
7145	41.99 ♂	9740	30.80	15205	19.73	17760	16.89
7200	41.67	11710	25.62	15295	19.61	17855	16.80
7235	41.47	11840	25.34	15345	19.55	21690	13.83
9500	31.58	11845	25.33	15385	19.50		

DAILY PROGRAMMES: Short Wave. See U.S.A.
ANNOUNCEMENT: "This is the Voice of America Radio Station in Tangier".
VERIFICATION: By QSL-card. No return postage required.

TUNISIA

RADIO TUNIS (Government – Radiodiffusion Française et Télévision)
ADDRESSES: Head Office, 2, rue d'Algier, Tunis. Studios: 3 Place de l'Ecole Israélite, Tunis.
HOME SERVICE:
Tunis 629 kc 447 m 20 kW – Tunis II 962 kc 312 m 20/120 kW
Tunis I – French: 06.00–07.15, 11.00–13.00, 17.30–22.00.
News: 07.00–07.15, 11.00–11.20, 12.55–13.00, 19.00–19.20, 21.45–22.00.
Tunis II – Arabic: 05.15–06.30, 11.30–13.30, 18.00–22.00.
News: 06.00–06.15, 12.30–12.45, 18.02–18.10, 19.00–19.25, 21.35–21.50.
ANNOUNCEMENT: "Ici Radio Tunis" in French and Arabic.
INTERVAL-SIGNAL: Gong. Tunis I closes with "La Marseillaise" and Tunis II with "Hymne beylical".
VERIFICATION by letter. Return postage requested.

UGANDA

UGANDA BROADCASTING SERVICE (Govt.)
ADDRESS: Information Department, P.O. Box 142, Kampala.
Cable: Knowledge.
LEADING PERSONALITIES: Dir. Information: H. White. Progr. Organiser: J. Kenyon. Broadcast Engineer: G. Phillips.
HOME SERVICE in Luganda and English from Kampala.
971 kc/s 309.0 m 0.5 kW 14.30 (Sun. 14.15)–18.30.
5026 – 59.70 – 10 kW 14.30 (Sun.14.15)–18.30. d.
7110 – 42.19 – 10 kW alternative d.
FM 86 mc/s. Experimental.
LUGANDA: 14.30 (Sun. 14.15)–17.00.
N.: W. 16.00–16.15.
Progr. Preview: 14.30. Religious: Sun. 14.15–14.30, 15.15–15.30. Request Prgr.: W. 16.15–16.45, Sun. 16.00–17.00.
ENGLISH: 17.00–18.30. N.: 17.00–17.15(W). Progr. Preview: 17.00. Request Prgr.: Mo. Fri.– 17.30–18.00.
ANNOUNCEMENT: English: "This is the Uganda Broadcasting Service". Luganda: "Eno ye Uganda Broadcasting Service".
INTERVAL-SIGNAL: "Kwebembera Omukama". – The Ntimbo Royal Drummers of the Omukama of Bunyoro.
VERIFICATION by letter. No. postage required. FUTURE PLANS: 2 FM stations.

UNION OF SOUTH AFRICA

SOUTH AFRICAN BROADCASTING CORPORATION
ADDRESS: P.O. Box 8606, Johannesburg. Cables: Broadcast.
LEADING PERSONALITIES: Chairman of the Board of Governors: Dr. S. H. Pellissier. Dir.-Gen.: G. D. Roos. Deputy Dir.-Gen.: N. L. Filmer. Secretary: J. P. A. van der Walt. Chief Accountant: R. C. Strike. Dir. Tec.: H. O. Collett. Head of Afrikaans Progr.: M. M. van Lille. Head of English Progr.: Miss G. N. Dickson. Head of Commercial Service: E. H. Cameron McClure. Head of News: A. M. van Schoor.
HOME SERVICES:

Short Waves:	English		Afrikaans				Comm.	
	kc/s	m	kc/s	m	kc/s	m	kc/s	m
	Johannesb.		Johannesb.		Cape Town		Joh.burg	
	3290	91.2	3370	89.0	4895	61.3	3356	89.4
	4800	62.5	4895	61.3	7255	41.4	4945	60.7
	7230	41.5	6007	49.9			7295	41.1
			7275	41.2			9600	31.2
			9523	31.5				

Johannesburg:						
West Rand	638	470	782	384	971	309
East Rand	1034	290	827	363	1286	233
Pretoria:	1439	208	1097	273	1268	236
Pietersburg:	1115	269	863	348	989	303
Bloemfontein:	854	352	647	464	1007	298
Kimberley:	1070	280	1241	242	962	312
Grahamstown:	620	484	701	428	809	371
Port Elizabeth:	1313	228	1043	288	1178	255
East London:	1025	293	1151	261	908	330
Cape Town:	656	457	557	538	728	412
Durban:	566	530	692	433	800	375
Pietermaritzburg:	764	392	665	451	845	355

DAILY PROGRAMMES: English and Afrikaans Services:
W.: 04.40–12.15, 14.00–21.15. Sun. 05.55–21.15.
N.: 05.00(W.), 06.00, 11.15, 16.00, 17.00(W.), 19.00, 21.00.
COMMERCIAL SERVICE – Springbok Radio:
W. 04.00–22.00. Sun. 05.00–21.00.
Interval-Signal: Commercial Service: GCEGA
AFRICA SERVICE: International Station, Johannesburg.
15.230 kc/s 19.7 m 08.15–12.15.
11.936 – 25.1 – 14.00–20.35.
Daily Programmes: English on Tues, Thurs. and Sat.
Afrikaans on Sun., Mon., Wed., Fri.
SOUTH-WEST AFRICA SERVICE:
9.680 kc/s 30.99 m Relays English Progr.
VERIFICATION by QSL-card for all services. Publication: "SABC Radio Bulletin".
NOTE: A new national and international shortwave station will commence operation early in 1956, It is likely, that the s.w. – schedule will be considerably changed.

ZANZIBAR

RADIO ZANZIBAR (Govt.)
ADDRESS: Information Office, P.O. Box 222, Zanzibar.
Cable: Information.
LEADING PERSONALITIES: Senior Commissioner: R. H. W. Pakenham. Information Officer: Sk. Yahya Alawi El-Yofil. Asst. Inform. Officer (Broadcasting Officer): Sk. Muhammad Saleh Farsy.
HOME SERVICE in Arabic, Swahili, Gujarati & English:
Zanzibar 4795 kc/s 62.50 m 0.25 kW 13.30–15.00.
Arabic: Recital of the Holy Qur'an: 13.32–13.43. Religious: Fri. 14.00–14.15. National Music (in Arabic & Swahili): 14.30–15.00. Swahili: N.: D. 13.45–14.00. Weatherreports: Sat. 13.55–14.00. Mailbag: Fri. 14.15–14.30. Religious: (with a bit of Arabic) Mo. Tues. Thurs. 14.00–14.15. Request Prgr.: Wed. Sat. 14.15–15.00 (in Arabic, Swahili, Gujarati & English).
All programmes are also for East African dependencies including Comoro Islands.
ANNOUNCEMENTS: English: "This is the Voice of Zanzibar". Swahili: "Hiini Sauti ya Unguja". Arabic: "Hadha Saut Zinjibar".
INTERVAL-SIGNAL: Transmissions open with the anthem of His Highness the Sultan of Zanzibar.
VERIFICATION by letter. Return postage not necessary. Publications: Weekly newsletter in Swahili called MAARIFAX. Monthly newsletter in English.

THE RADIO CONSTRUCTOR
is the monthly magazine for the practical radio enthusiast. With an emphasis on construction, all types of radio, receivers, televisors, amplifiers, recording, equipment, test gear, radio control of models, workshop practice etc., are covered in this journal. The home constructor of all types of electronic gear will find this periodical invaluable. 1 s. 6 d. monthly. Annual subscription 18/- sterling. USA $ 2.75.
DATA PUBLICATIONS, LTD.
57, Maide Vale, London, W. 9.

NEAR EAST

ADEN

ADEN BROADCASTING SERVICE (Govt.).
ADDRESS: P. O. Box 1264, Aden. Cable: "Informat".
LEADING PERSONALITIES: Dir. and Public Relations Officer: N. J. V. Watt. Broadc. Officer: T. Z. Irany.
HOME SERVICE in Arabic: 15.30–17.30.
Cable & Wireless 6045 kc/s 49.63 m 3 kW 15.30–17.30. d.
R.A.F. 1236 – 242.7 – 0.25 – 15.30–16.45.
N.: 16.00–16.10, Wed. 16.25 (Colony News), 17.20–17.30. Local N.: Wed. 16.25, Thurs. 17.10. – Religious: 15.31–15.40 (Quran Readings), 16.25 (Thurs). – Request Progr.: Tues. 17.10. Sat. 17.10, Sun. 16.25. – English by R.: Mo. 17.10.
ANNOUNCEMENT: Arabic: "Huna Aden". English: "Here is Aden".
VERIFICATION by letter. FUTURE PLANS: In 1957 mw 5 kW, sw 7.5 kW.

ADEN FORCES BROADCASTING ASSOCIATION (Military)
ADDRESS: R.A.F. Station, Khormaksar. STATION: 1025 kc/s 293 m. 0.3 kW. DAILY PROGRAMMES in English: 16.45–19.30.

AFGHANISTAN

AFGHAN BROADCASTING SYSTEM (Government)
ADDRESS: Telecommunications Division, Ministry of Communications, Kabul. Cable: Aftel.
LEADING PERSONALITIES: Dir. Gen.: A. A. Durani.
HOME SERVICE from Kabul Radio in Pushto, Persian, Urdu: 660 kc/s 454.5 m 20 kW: 02.30–03.30, 13.30–17.30. N.: 02.45, 15.30.
FOREIGN SERVICE from Kabul Radio in English: 9975 kc/s 30.08 m 25 kW: 16.50–17.10. N.: 17.00(D.). Request Progr.: Sun., Wed.: 17.15.
ANNOUNCEMENT: National language Pushto: "Da Kabul dai". English: "This is Kabul Calling, radiating nightly on 454 metres 660 kc/s and on shortwave on 9975 kc/s 30.08 metres".
INTERVAL-SIGNAL: Home Service: A record on national flute Foreign Service: March from Bizets opera "Carmen".
VERIFICATION by letter. Reports are welcome.
FUTURE PLAN: Two 100 kW s.w. stations under construction.

BAHRAIN

BAHRAIN BROADCASTING STATION (Govt.).
ADDRESS: Town Office, Bab al-Bahrain, Manama, Bahrain.
LEADING PERSONALITIES: Bahrain Government Public Relations Officer: James H. D. Belgrave. Dir. of Broadc.: Ibrahim Ali Kanoo.
HOME SERVICE in Arabic: 610 kc/s 491.8 m 2 kW: 05.30–07.00, 16.00–17.30.
ANNOUNCEMENTS: Arabic: "Huna Bahrain" (Bahrain Calling).
VERIFICATION by letter. Return postage not required.

CYPRUS

CYPRUS BROADCASTING SERVICE (Govt.)
ADDRESS: P.O.B. 824, Nicosia. Cable: "Broadcasts" Nicosia.
LEADING PERSONALITIES: Dir.: J. C. R. Proud. O. B. E. Asst. Dir.: Hedley Chambers. Chief Eng.: G. S. Thomas. News Editor: J. L. Hayes. Head of Greek Section: G. Mitzides. Head of Turkish Section: S. Riza.
STATIONS AND DAILY PRGR.:
BLUE CHANNEL: 692 kc/s 434 10 kW. Greek: occ. English. W. 10.30–12.30, 14.30–21.00. Sun. 08.00–21.00.
RED CHANNEL: 606 kc/s 495 m 2 kW. Turkish: occ. English. W. 10.30–12.30, 17.00–21.00. Sun. 06.00–08.00, 14.30–21.00. N. on both channels: English 11.30, Turkish 11.40, Greek 12.00. N. & Commentaries: English 17.00 (Red ch.), Turkish 17.30, (Red ch.), Greek 18.00 (Blue ch.).
ANNOUNCEMENTS: Blue ch.: "Edho Kypriaki Radiofoniki Ypiresia". Red ch.: "Burasi Kibris Radyo Servisi". – INTERVAL SIGNAL: Celeste. – VERIFICATION by letter. – FUTURE PLANS: 606 kc/s 10 kW Apr. 1956.

FORCES BROADCASTING SERVICE (Br. War Dept.)
ADDRESS: No. 4 Forces Broadcasting Service, Nicosia.
LEADING PERSONALITIES: Station Commander: Hedley Chambers. Progr. Officer: Peter Buckle. Technical Officer: (Vacant).
STATION: 1093 kc/s 274.5 m 1 kW.
DAILY PROGR.: English: W. 04.00–09.15, 09.45–21.00. Sun. 05.00–21.00.
ANNOUNCEMENT: "This is the Forces Broadcasting Station, Cyprus". – INTERVAL-SIGNAL: Musical Box.
VERIFICATION: QSL-card/letter. No return postage required.

SHARQ AL ADNA (Near East Arab Broadcasting Station) Comm.
ADDRESS: Head Office: P. O. Box 219, Limassol. Branch Offices: London, 17 Victoria Street – Beirut Phoenicia Road – Damascus, Firdous Street. – Ammon, Salt Road. – Cairo, 37 Maspero Street. – Baghdad, Badawi Street.
LEADING PERSONALITIES: Man. Dir.: R. Poston. Deputy Director: G. R. John. Director of Programmes: Mohammad Ghussein. Public Relations Officer: S. A. Sherif. Dir. Tec.: H. F. Humphreys. Advertisement Mgn.: C. J. Morn.
HOME SERVICE in Arabic to all Arabic speaking countries of the Near and Middle East.
Medium wave 100 kW; Short wave 5/7.5/20 kW.
638 kc/s 470.2 m 6170 kc/s 48.62 m 9650 kc/s 31.09 m
6120 – 49.02 – 6790 – 44.18 – 11720 – 25.60 –
Winter: 03.45–06.45, 09.00–21.00. (Fri., Sun.: 03.45–21.00). – Summer (not firm): 03.25–06.30, 09.00–22.00 (Fri., Sun.: 03.25–22.00).
ANNOUNCEMENT: "Mahattat a Sharq al Adna Lil'iza 'al Arabiya".
INTERVAL-SIGNAL: Arabic music and stringed instrument.
VERIFICATION by letter. Reports from Near East Countries welcomed. No return postage required.
FUTURE PLANS: Another 20 kW short wave transmitter is being erected and hoped to be in operation in the second half of 1956.

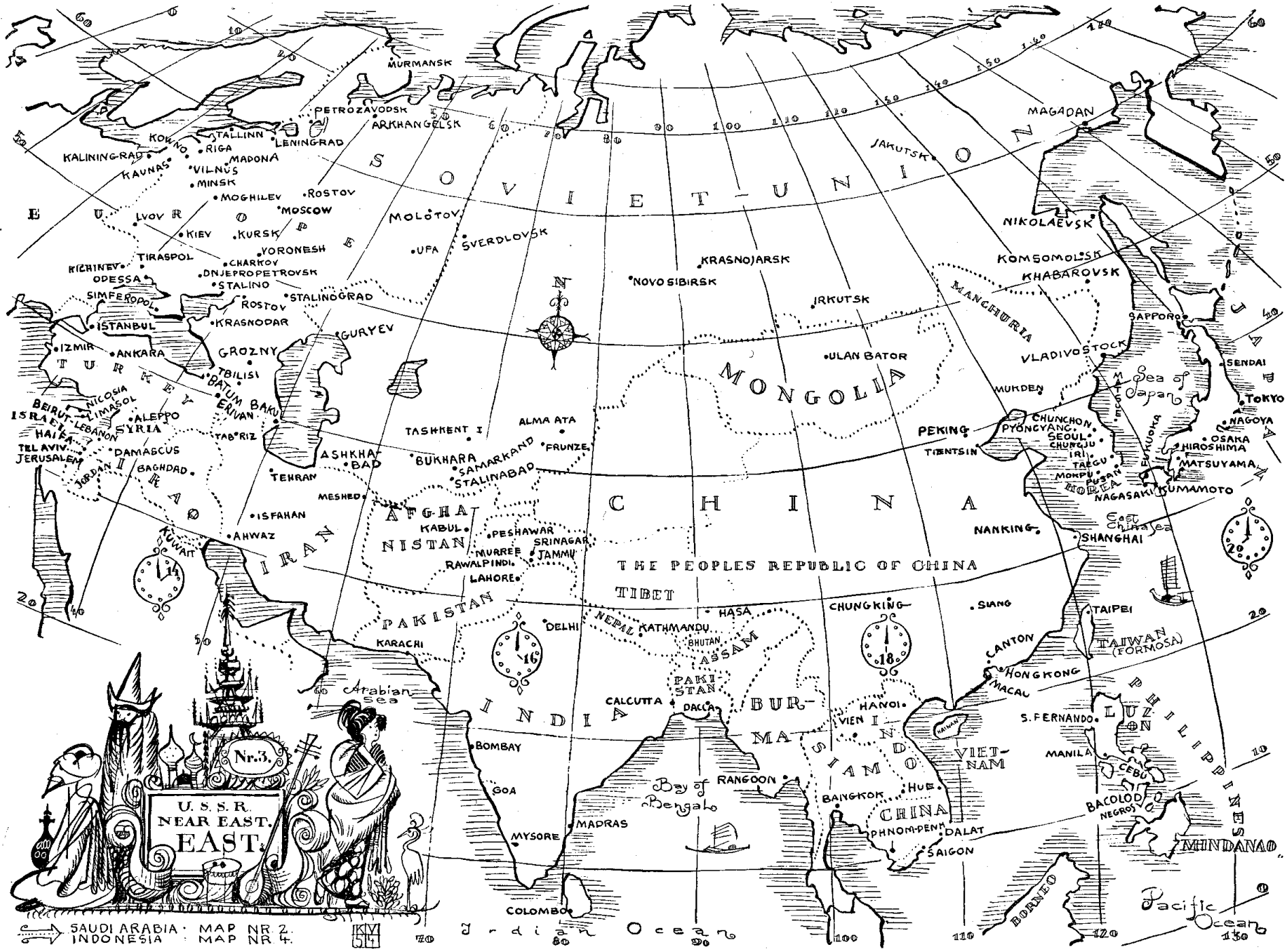
IRAN

DEPARTMENT OF PUBLICATION AND BROADCASTING (Govt.)
ADDRESS: Radio Tehran, Ark Avenue, Tehran. Cable: "Radio Tehran".
LEADING PERSONALITIES: Dir Gen.: Dr. M. Rahnema. Dir. External Services: Aziz Hatami.
STATIONS: Teheran:
EQA 895 kc/s 335.2 m 2 kW EQB 6155 kc/s 48.74 m 2 kW
EQO 3750 – 80.00 – 7.5 – EQC 9677 – 31.00 – 20 –
EQO 3960 – 75.00 – 7.5 – EPB 15100 – 19.87 – 14 –
Tabriz: EQR2 6122 kc/s 49.00 m 7.5 kW d. Shiraz: EPP2 6435 kc/s 46.58 m 0.4 kW
Isfahan: 1500 kc/s 200.0 m
R. Meshed: 1500 kc/s 200.0 m – 6800 kc/s 44.12 m. –
R. Ahwaz: EPU3 7950 kc/s 37.74 m 0.75 kW
R. Resht: EPR16 7940 kc/s 37.78 m 0.75 kW.
R. Kurdestan: 1500 kc/s 200.0 m 0.4 kW.
HOME SERVICES in Persian:
Radio Tehran: 02.00–11.30, 12.00–19.15 on 895 kc/s and 3960 kc/s.
N.: 03.45–04.00, 09.00–09.15, 11.00–11.15, 15.30–15.45, 17.30–18.00 – Weatherrep.: After news 15.30. – Religious Prgr.: 08.30–09.00 – Persian Music: 03.30–03.45, 10.00–10.30, 12.30–13.00, 15.00–15.30, 18.00–18.30.
R. Shiraz: 12.30–15.00. – R. Isfahan: 12.30–14.30. – R. Meshed: 12.30–15.00. – R. Ahwaz: 13.00–15.00. – R. Resht: 12.30–14.30. – R. Kordestan: 11.30–13.30, 15.30–18.30.
Radio Tabriz – L. P.: Pres.: Seyed Hasan Adl. Dir. of Prgr.: D. G. Shahbazi.
Daily Prgr.: 02.25–04.30 & 07.30–11.00 in Persian. 13.30–18.00 in Persian, Turkish, Kurdish, Armenian. Persian:
Persian Music: 08.00–08.30, 09.30–10.00, 14.00–14.30. Request Prgr. –: 16.30–17.00 "English by Radio": 03.40–03.55. – Verification by letter and by radio.

RADIO TEHRAN FOREIGN SERVICE
11.30–12.00, 19.15–20.30 on 895/9677 kc/s – After 17.30 there are additional transmissions on 15100 and 3960 kc/s.
Urdu 11.30, Arabic 11.45, Russian 19.15, Turkish 19.30, German 19.45, French 20.00, English 20.15.
Programmes of special interest: "Afro-Asian Forum": on Thurs., "Ferdowsi's Book of Kings" in Russian and French on Fri., "The Story of Persian Art" on Sat., "The Persian Poetry Hour" on Sun. 15.35, "The Holy Quran in English" on Thurs. 15.35–20.15.
ANNOUNCEMENTS: English: "This is Tehran Calling". French: "Ici Radio Téheran". German: "Hier spricht Teheran". Persian: "Inja Tehran". Turkish: "Burasi Iran Tehran Radisu". Russian: "Govorit Tigran". Arabic: "Huna Tehran".
VERIFICATION by coloured QSL-cards. FUTURE PLANS: Two new stations (50 & 100 kW).

IRAQ

ADDRESS: Baghdad Radio Station, Baghdad.
LEADING PERSONALITY: Ag. Dir. Gen. of Guidance & Broadcasting: K. Ibrahim.
STATIONS:
764 kc/s 392.6 m 20 kW
3297 kc/s 91.00 m 16 kW
11705 – 25.63 – 16 –


U. S. S. R.
NEAR EAST.
EAST.
Nr.3.
SAUDI ARABIA · MAP NR 2.
INDONESIA · MAP NR 4.
SOVIET-UNION
EUROPE
MURMANSK
PETROZAVODSK
ARKHANGELSK
KOWNO
STALLINN
LENINGRAD
RIGA
KALININGRAD
KAUNAS
MADONA
VILNUS
MINSK
MOGHILEV
ROSTOV
MOSCOW
LVOV
KIEV
KURSK
VORONESH
TIRASPOL
KICHINEV
CHARKOV
ODESSA
DNJEPROPETROVSK
STALINO
SIMFEROPOL
ROSTOV
STALINOGRAD
KRASNODAR
ISTANBUL
IZMIR
ANKARA
GROZNY
TBILISI
BATUM
ERIVAN
BAKU
GURYEV
TURKEY
NICOSIA
IMASOL
BEIRUT
LEBANON
ISRAEL
HAIFA
TEL AVIV
JERUSALEM
ALEPPO
SYRIA
DAMASCUS
JORDAN
BAGHDAD
IRAQ
KUWAIT
AHWAZ
ISFAHAN
TEHRAN
MESHED
TABRIZ
IRAN
MOLOTOV
UFA
SVERDLOVSK
KRASNOJARSK
NOVO SIBIRSK
IRKUTSK
ULAN BATOR
MONGOLIA
ALMA ATA
TASHKENT
FRUNZE
ASHKHABAD
BUKHARA
SAMARKAND
STALINABAD
AFGHANISTAN
KABUL
PESHAWAR
MURREE
SRINAGAR
JAMMU
RAWALPINDI
LAHORE
PAKISTAN
KARACHI
DELHI
NEPAL
KATHMANDU
BHUTAN
HASA
TIBET
THE PEOPLES REPUBLIC OF CHINA
CHINA
CHUNGKING
SIANG
NANKING
SHANGHAI
TAIPEI
TAIWAN (FORMOSA)
CANTON
HONGKONG
MACAU
ASSAM
PAKISTAN
CALCUTTA
DACCA
BURMA
INDIA
BOMBAY
GOA
MYSORE
MADRAS
COLOMBO
Arabian Sea
Bay of Bengal
RANGOON
HANOI
VIENTIANE
SIAM
BANGKOK
HUE
PHNOM-PENH
DALAT
SAIGON
VIETNAM
CHINA
S. FERNANDO
LUZON
MANILA
CEBU
BACOLOD
NEGROS
PHILIPPINES
MINDANAO
BORNEO
Indian Ocean
Pacific Ocean
MAGADAN
JAKUTSK
NIKOLAEVSK
KOMSOMOLSK
KHABAROVSK
MANCHURIA
SAPPORO
VLADIVOSTOCK
MUKDEN
PEKING
TIENTSIN
CHUNCHON
PYONGYANG
SEOUL
CHUNGJU
IRI
TAEGU
MOKPO
PUSAN
KOREA
NAGASAKI
FUKUOKA
KUMAMOTO
HIROSHIMA
OSAKA
NAGOYA
TOKYO
SENDAI
JAPAN
Sea of Japan
East China Sea

DAILY PROGRAMMES:

Arabic: 03.55–06.00, 09.55–11.15, 13.25–19.00 on 764 kc/s.
Kurdish: 13.55–17.00 on 3297 kc/s.

ANNOUNCEMENTS: "This is Radio Baghdad" – "Ici Radio Baghdad" – "Huna Baghdad".

INTERVAL-SIGNAL: Soft chirps of a mechanical nightingale.

VERIFICATION by QSL-card.

BRITISH FORCES STATION (R.A.F.): R. Habbeniya 1500 kc/s 200 m 0.3 kW.

ISRAEL

ISRAEL BROADCASTING SERVICE (Govt.

ADDRESSES: **Kol Israel:** P.O. Box 1082, Jerusalem. – **Foreign Service:** Kol Zion Lagolah, P.O. Box 754, Jerusalem. – **Engineering:** Ministry of Posts (Posts, Telegraphs, Telephones and Radio), Jerusalem. – **Cable:** "Kol Israel", Jerusalem.

LEADING PERSONALITIES: Director General of Ministry of Posts, Telegraphs, Telephones and Radio: H. Ben Menahem. – Dir. of Israel Broadcasting Service: Harry Zinder. – Dir. Tec. (Radio and Transmission): M. E. Berman. – Dir. General Progr.: Dr. Y. Spira. – Dir. Music: Karel Salomon. – Dir. News, Reportage: Hansch Givton. Dir. Arabic Prgr.: S. Bar Haim.

STATIONS:

	kc/s	m	kW	Call	Prgr.
Tel Aviv	575	521.7	50	4XB36	A
–	652	460	0.8	4XB47	B
Jerusalem	737	407.1	0.5	4XB34	B
Haifa	1025	292.7	0.5	4XB48	B
–	1205	249	0.5	4XB35	A
Tel-Aviv	1277	234.9	1	4XB41	C
Haifa	1336	224.5	1	4XB42	C
Jerusalem	1390	215.8	1	4XB43	C
Tel-Aviv	2442	122.9	0.5	4XB51	C
–	6725	44.61	1	4XB44	C
–	6830	43.92	2.5	4XB21	A+B
–	9009	33.3	50	4XB31	to Central Europe d.

HOME SERVICE

PROGRAMME A: KOL ISRAEL

Hebrew: 575 kc/s: D. exc. Sat.: 04.30–06.00, 10.00–12.15, 13.30–14.00 (Fri. only), 14.00–16.30, 17.00–21.10. Sat.: 05.30–06.00, 06.30–12.15, 13.00–16.30, 17.00–22.00. –

1205 kc/s: 04.00–04.30(Sun., Wed., Fri.); D. exc. Sat.: 04.30–06.00, 10.00–12.15, 13.30–14.00 (Fri. only), 14.00–16.30, 17.00–21.00. Sat.: 05.30–06.30, 06.30–12.15, 13.00–16.30, 17.00–22.00.

N.: D.: 05.00, 11.30, 16.00, 16.15, 18.30, 21.00. – **Weatherreport:** 05.10, 18.40. – **Time-Signal:** 04.30, 05.00, 06.00, 06.15, 06.30, 10.00, 11.30, 12.15, 13.00, 14.00, 16.30, 17.00, 18.30.

Arabic on 575/1205/6830 kc/s:
D. 06.00–07.00, 12.15–13.30(Sat. 13.00), 16.30–17.00 (exc. 6830 kc/s)
Turkish on 575/1205/6830 kc/s: Sun. 09.30–10.00.

PROGRAMME B: KOL ISRAEL (Foreign Languages) on 652.1/737/1025/6830 kc/s:
English: 11.45–12.00, 20.15–20.30. – **French:** 12.00–12.15, 16.30–17.00. – **Hebrew:** 16.15–16.30 (exc. Fri., Sat.). – **Yiddish:** 17.00–17.30 (exc. 6830 kc/s). – **Ladino:** 17.30–18.00. – **Persian:** 18.00–18.15 (Tues., Thurs. only). – **Turkish:** 18.15–18.30 (Tues., Thurs. only). – **Rumanian:** 18.45–19.00. – **Hungarian:** 19.00–19.15.

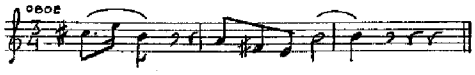
PROGRAMME C: Galei Tsahal (Forces Broadcasting Service).
Hebrew: 1277/1336.5/1390/2442/6725 kc/s: D. 16.30 –20.00.

FOREIGN SERVICE – KOL ISRAEL: To Central Europe: 9009 kc/s: 17.30–18.00, 18.30–18.45, 18.45–19.15, 20.15–20.30.

English: 20.15–20.30. – **Hebrew:** 18.30–18.45 (N.). – **Hungarian:** 19.00–19.15. –**Ladino:** 17.30–18.00. – **Rumanian:** 18.45–19.00.

ANNOUNCEMENT: Program A and B: **Hebrew:** "Kol Israel". – **Yiddish:** "Kol Israel Laole". – **Arabic:** "Hunna Muhattat Israil". – **English:** "Kol Israel. – This is the Voice of Israel". – **French:** "Ici "Kol Israel" La Voix d'Israel". – **Hungarian:** "Kol Israel – It Oz Israeli Radio". – **Roumanian:** "Aci e Postul de Radio, Kol Israel". – **Ladino:** "Aqui "Kol Israel" La Boz de Israel". – **Turkish:** "Burasi Israelin Sesi Radyo Istasyonu". – **Persian:** "In sedai Israeil"
Program C: "Galei Tsahal" (Forces Broadcasting Service).

INTERVAL-SIGNAL: Program A & B: Traditional Bible cantellation played on oboe strings.



OVERSEAS BROADCASTING SERVICE OF THE WORLD ZIONIST ORGANIZATION - KOL ZION LAGOLA THE VOICE OF ZION

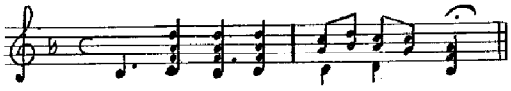
ADDRESS: The Voice of Zion. P.O. Box 754, Jerusalem.

STATION: Tel Aviv 4XB31 9009 kc/s 33.3 m 50 kW.

English to South Africa: 16.30–17.15.
Service to Central Europe: 19.15–20.15, 20.30–22.00 (Sun. 22.30). **English:** 21.15–22.00 (Sun. 22.30). – **French:** 20.30–21.15. – **Hebrew:** 20.00–20.15. – **Yiddish:** 19.15–20.00.

ANNOUNCEMENTS: **Hebrew:** "Kol Zion Lagola". – **English:** "Kol Zion Lagola – The Voice of Zion". – **French:** "Ici Jerusalem – Kol Zion Lagola – La Voix d'Israel". – **Yiddish:** "Do is Kol Zion Lagola Fon Yerushalaim".
Full information about times of transmission in the summer is given in the weekly programme notes, which are published 6 weeks in advance and sent out by airmail.

INTERVAL-SIGNAL: First phrase from the second half of the national Anthem "Hatikvah".



VERIFICATION by QSL-card and letter. Return postage not required.

JORDAN

HASHEMITE JORDAN BROADCASTING SERVICE (Govt.

ADDRESS: Ramallah, Jordan.

LEADING PERSONALITIES: Controller: Thabet N. Khalidi. Asst. Controller: Abdel Qader Taowry.

HOME SERVICE in Arabic and English:

677 kc/s 443 m 20 kW. 6050 kc/s 45.59 m 1 kW. 7200 kc/s 41.67 m 1 kW.

Arabic: 05.00–05.45, 09.15–10.30 (Fri. only), 12.00–12.30, 16.00–19.30. – **English:** 11.30–12.00, 15.15–16.00.

ANNOUNCEMENT: **English:** "This is the Hashemite Jordan Broadcasting Service calling from Jerusalem" or "This is Jerusalem calling". **Arabic:** "Dar ul Ithaa al-Urduniya al Hashimiya fil Quds" or "Huna l Quds".

VERIFICATION by QSL-card.

FUTURE PLANS: A 5 kW short wave transmitter to broadcast program simultaneously with m.w. broadcasts.

KUWAIT (Persian Gulf)

RADIO KUWAIT ADDRESS: Security Department, Kuwait.

LEADING PERSONALITY: Chief of Public Security: Dir. Shaikh Abdulla Mobarak.

HOME SERVICE in Arabic: 5000 kc/s 60.00 m 1 kW.
17.00–20.00 (Summer 18.00–21.00), 05.00–07.00 (Fri.).

ANNOUNCEMENT: "Huna Kuwait, Mahattat Kuwaitia".

VERIFICATION by letter.

LEBANON

LEBANESE BROADCASTING STATION (Govt.)

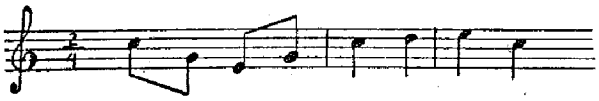
ADDRESS: Grand Serail, Beirut. Cable: "Radioliban".

LEADING PERSONALITIES: Minister of Information: G. Akl. Dir. Gen.: A. El-Assaad. Head of Cabinet: N. Lian. Head of Press Service: F. Abi-Chahla. Chief of Broadcasting: F. Kassem. Chief Eng.: J. Rouhayem.

HOME SERVICE in French, Arabic and English:
836 kc/s 359 m 4 kW – 8036 kc/s 37.34 m 2 kW.
W.: 04.30–07.30, 10.00 (Fri. 04.30)–13.15, 15.00–21.40. Sun.: 05.00–13.00, 14.30–21.40.
N.: **Arabic:** 836 kc/s: 05.30, 10.15, 21.30. – 8036: 05.00, 11.00, 10.15 21.30. –**Mailbag: French:** Thurs., Sun. 10.00–11.00. – **Arabic** (Fri., Sun): 07.30–09.30, 11.15–13.00, 19.00–20.15. – **Weatherrep.: French:** 05.45.
Arabic: 05.15. – **Prgr. in French** on 8036 kc/s: 11.00–12.30. – **Prgr. in English** on 8036 kc/s: 19.00–20.15, 15.00–16.00. – **English by R.:** Thurs.: 15.45–16.00. – **National Music:** Arabic. Sat. 16.00–16.30.

ANNOUNCEMENTS: Arabic: "Houna Beyrouth, Dar al' Iza'a al Loubanniat". **French:** "Ici Beyrouth, Station de Radiodiffusion de la République Libanaise". **English:** "This is the English programme of the Lebanese Broadcasting Station in Beiruth".

INTERVAL-SIGNAL: For medium- and short wave:



VERIFICATION by QSL-card or letter. – **FUTURE PLANS:** m.w., s.w. 100 kW and 1957.

SAUDI ARABIA

SAUDI ARABIAN BROADCASTING (Gvt.)

ADDRESS: Mecca.

STATIONS: Djeddah 3 kW.

kc/s	m		kc/s	m	
725	413.8	local	11950	25.10	to Egypt by day
3960	75.76	local	6175	48.58	to Egypt by night
9650	31.09	to Riyadh by day	11750	25.50	to Iraq by day
3990	75.19	to Riyadh by night	6100	49.18	to Iraq by night
11850	25.32	to Syria by day	11990	25.02	in Urdu and Indonesian.
5975	50.21	to Syria by night			

DAILY PROGRAMMES in Arabic:
Saudi Arabia has no Standard Time. Twelve hours periods commence at sunrise and sunset, i.e. with a few minutes difference every day. (Therefore "one o'clock" means one hour after sunrise, i.e. approx. 7. a.m. etc.). Arabic broadcasts from Djeddah are scheduled according to local time and therefore differ from day to day.

1st. Prgr.: 03.40–**2nd Prgr.:** 11.30–**3rd Prgr.:** 16.25–**4th Prgr.:** 17.55–

FOREIGN SERVICE:
13.00–13.40 **Urdu** 25 m.b., to Pakistan.
14.00–14.40 **Indonesian** 25 m.b., to Indonesia.

ANNOUNCEMENT: "Il-eza'a la azikiyah l'ilmamlakat es Saoudiyah".

INTERVAL-SIGNAL: 8 notes played on a native flute.

VERIFICATION by letter.

SYRIA

SYRIAN BROADCASTING SERVICE (Govt.)

ADDRESS: Rue de la Victoire, Damascus.

STATIONS: Medium Waves:
Damascus 602 kc/s 500.2 m 2 kW, 665 kc/s 451.2 m 50 kW
Aleppo 719 kc/s 417.2 m 7.5/20 kW. 746 kc/s 402 m 20 kW
Short Waves: Damascus:
6165 kc/s 48.66 m 20 kW. 7145 kc/s 41.99 m 7.5 kW. 9555 kc/s 31.40 m 20 kW. 11915 kc/s 25.17 m 20 kW. 17865 kc/s 16.80 m 20 kW

HOME SERVICE:

Arabic:	kc/s	English:	kc/s
04.00–07.00	665/746/7145/6165	10.00–11.30	602/719/7145
07.00–07.30	602/7145		
11.30–13.00	665/746/7145/9555	**French:**	**kc/s**
15.00–18.00	665/746/6165/7145	07.30–10.00	602/719/7145
18.00–19.00	665/746/7145	13.00–14.00	602/719/7145
19.30–20.00	602/665/746/7145		
20.00–22.00	665/746		

FOREIGN SERVICE
13.00–14.00 **Arabic** to N. Africa on 11915/17865 kc/s
14.00–15.00 **Hebrew, German, Yugoslav & Arabic** on 665/746/7145kc/
20.30–21.30 **French** to Europe on 9555 kc/s.
21.30–22.30 **English** to Europe on 9555 kc/s.
00.00–02.00 **Arabic, Spanish & Portuguese** to C. & S. Am. on 9555/11915 kc/s.

ANNOUNCEMENT: in Arabic: "Huna Dimashq". In English: "Here is Damascus".
VERIFICATION by QSL-card.
FUTURE PLANS: Service to N. America and German.

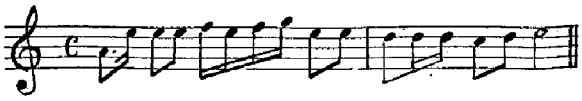
TURKEY

RADIO ANKARA (Govt.)

ADDRESS: Basin-Yayin ve Turizm Genel Müdürlügü, Radyo Dairesi, Ankara, Turkey. **Cable:** Basin-Yayin Ankara.
LEADING PERSONALITIES: Director General of the Turkish Press, Broadcasting and Tourist Department: Muammer Baykan. Director of Radio Branch: Refik Ahmet Sevengil. Director R. Ankara: a. i.: Iskender Cenap Ege. Director R. Istanbul: Mesut Cemil. Director R. Izmir: Umit H. Demiriz. Dept. Chief Adviser: M. Eke. Dir. Tec.: R. Ankara: S. Eke. Dir. Tec.: R. Istanbul: F. Tokat. Dir. Prgr.: R. Ankara: N. Serez. Dir. Prgr.: R. Istanbul: F. Jener.
HOME SERVICE in Turkish:

	kc/s	m	kW			
R. Turkey (Ankara)	TAR	182	kc/s	1648.0	m	120 kW
R. Istanbul	TAW	701	–	428.0	–	150 –
R. Izmir	TAZ	6600	–	45.45	–	0.5 –

R. Turkey: W. 04.28–07.00, 09.58–14.00, 14.58–22.00. Sun.: 04.28–14.00, 14.58–22.00. – **R. Istambul:** Mo., Fri.: 10.27–13.00, 14.57–22.00. Sat./Sun.: 10.27–22.00. – **R. Izmir:** Mo.–Fr.: 13.58–20.40. Sat.: 12.58–20.45. Sun.: 06.58–10.00, 12.59–20.30.
N.: On 182 kc/s: 05.45–06.00(W.), 06.30–06.45(Sun), 11.00–11.15, 17.00–17.15, 18.15–18.30, 20.45–21.00. – On 701 kc/s: D. 11.45–12.00, 17.45–18.00, 18.45–18.30, 21.15–21.30. – On 6600 kc/s: D. 14.30–14.45, 18.15–18.30, 19.45–20.00.
Time Signals: D. 11.00, 20.45 on 182 kc/s. **Weatherrep.:** W. 05.45, Sun. 06.30 on 182 kc/s. – **Religious Prgr.:** Tues., Thurs. 17.45, Fri. 04.35 on 182 kc/s. – **English by Radio:** Tues., Sat. 16.00–16.15, Wed. 15.30–15.45 on 182 kc/s. – **Progr. Preview:** At the beginning and end of each broadcast on all frequencies. Also Sat. 15.15 & Sun. 13.30 on 6600 kc/s.
ANNOUNCEMENT: "Burasi Ankara" (or Istanbul, or Izmir).
INTERVAL-SIGNAL ISTANBUL: An old Turkish folk song "Usküdara gider iken".



FOREIGN SERVICE:

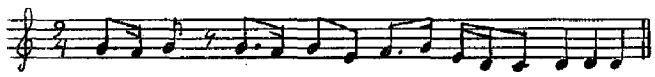
Ankara I 20 kW				Ankara II 100 kW			
TAN	6000	kc/s	50.00 m	TAL4	7140	kc/s	42.02 m
TAM	7240	–	41.44 –	TAS	7285	–	41.18 –
TAP	9465	–	31.70 –	TAT	9515	–	31.53 –
TAK	11760	–	25.51 –	TAO	11880	–	25.25 –
TAQ	15195	–	19.74 –	TAU	15160	–	19.79 –
TAD	17720	–	16.93 –	TAL3	15220	–	19.71 –
				TAV	17820	–	16.84 –
				TAX	21660	–	13.85 –

DAILY PROGRAMMES

		Target areas	Nov./Apr. kc/s	May/Oct. kc/s
Arabic	06.00–06.30	M.E.	9465	9465
	13.00–13.30	M.E.	9465	9465
	16.30–17.00	M.E.	9465	9465
Bulgarian	18.00–18.15	Eu.	7285/9465	7285/9465
English	13.30–14.15*)	S.Ea.As.	17820	17820
	23.15–24.00*)	N.Am.	9515	9515
	21.00–21.45*)	W.Eu.	7285/9465	9465/15160
French	20.15–20.45	Eu.	7285	15160
German	19.30–20.00	Eu.	7285	15160
Greek	17.15–17.45	Eu.	7285/9465	7285/9465
Hungarian	19.00–19.15	Eu.	7285/9465	9465/15160
Italian	19.30–20.00	Eu.	9465	9465
Persian	16.00–16.30	Ir.	9465	9465
Polish	19.15–19.30	Eu.	7285/9465	9465/15160
Pushtu	15.00–15.15	Afg.	9515	17820
Rumanian	17.45–18.00	Eu.	7285/9465	7285/9465
Serbo-Croat	18.30–19.00	Eu.	9465	9465
Spanish	22.30–23.00	Eu/S.Am	9515	9515
Turkish	10.00–11.30	F.E.	17820	15195/17820
	11.00–11.30**)	H.S.	17820	17820
	11.00–12.00**)	H.S.	17820	15195
	17.00–17.15**)	H.S.	7285/9465	7285/9465
	18.15–18.30**)	H.S.	9465	9465
	20.00–20.15**)		7285/9465	9465/15160
	20.15–20.45***)		9465	9465
	20.45–21.00**)	H.S.	7285/9465	7285/9465
Urdu	14.30–15.00	S.As.	9515	17820

*) Mailbag every Sun. **) News. ***) Turkish Music.

ANNOUNCEMENT: Arabic: Houna Ankara; English: This is Radio Ankara, Turkey; French: Ici Radio Ankara; German: Hier ist Ankara; Greek: Edho Ankara: Hungarian: Halloit Ankara; Italian: Qui Radio Ankara; Persian: Indja Ankara; Polish: Tumowi Ankara; Pushtu: Da de Ankara Radyo da; Rumanian: Aici Ankara; Serbo-Croat: Ovde Ankara; Spanish: Aqui habla Radio Ankara, Turquia; Urdu: Ye Ankara ki Radyo he; Bulgarian: Govori Ankara.
INTERVAL-SIGNAL: An old Turkish dance-tune "Sari Zeybek".



VERIFICATION by QSL-card. No return postage is required.

FUTURE PLANS: 3 mw-stations in Erzurum, Diyarbakir and Izmir (100 kW). – PUBLICATION: Weekly prgr. for Ankara, Istanbul, Izmir.

TECHNICAL UNIVERSITY OF ISTANBUL (Gvt.)

ADDRESS: Teknik Üniversite, Elektrik Fakültesi. Yüksek Frekans Teknigi Laboratuvari, Istanbul.

LEADING PERSONALITIES: Head of Radio Laboratory: Prof. M. Santur. Assistants: T. Saya, P. Apaydin. Announcer and Technician: I. Çelikbas.

HOME SERVICE: I.T.Ü.=Istanbul Teknik Üniversitesi.

6250 kc/s	48.00 m	1 kW	18.15–20.00	(exc. Sat.)
7030 –	42.67 –	0.5 –	18.15–20.00	(exc. Sat.)

Frequencies are shifted slightly if interference occur.

Programmes consist of National (Turkish) and Classical music. Turkish Music: Sun., Tues., Thurs. 18.15–18.45. Progr. Preview Sun. 18.45–18.50.

ANNOUNCEMENT: Turkish: "Burasi Istanbul Teknik Universitesi Radyosu" (English: "Here is the Radio Station of the Technical University of Istanbul".

INTERVAL-SIGNAL: "Turkish March" by Mozart.

VERIFICATION by letter. Return postage required.

TECHNICAL SCHOOL OF ISTANBUL

ADDRESS: The Technical School, Radio Laboratory, Yildiz, Istanbul.
Station: 6690 kc/s 44.80 m 0.2 kW: Sun. 07.00–09.00, D.: 17.00–18.00: Western and Turkish recordings.

ISTANBUL UNIVERSITY RADIO

ADDRESS: Istanbul Ten Fakültesi Radyosu, Istanbul: 7430 kc/s 40.38 m (inactive.)

ANKARA STATE POLICE RADIO

ADDRESS: Türkiye Police Radyos'n Emmiyet Genel Müdürlügü, Ankara. – Station: 6300 kc/s 47.62 m 1 kW 07.58–09.00, 14.00–15.00. Programmes consist of popular Western Recordings & Turkish Music and advice about traffic to drivers.

ANKARA BOY's TECNICAL TEACHERS SCHOOL.

ADDRESS: Ankara Erlek Teknik Ogretmen Okulu, Radyo Servici, Ankara.
Station: 6440 kc/s 46.50 m 1 kW 05.57–07.00. Music. –

IZMIR MITHAT PASCHA BOYS TECHNICAL INSTITUTE RADIO.

ADDRESS: Izmir Mithat Pasa Erlek Sonat Esntitüsü, Deneme Radyosu, Karantina, Izmir.
Station: 7000 kc/s 42.85 m 0.4 kW 08.28 (Sun. 07.58)–10.00. Music.

YEMEN: Sanaah (Govt.)

5985 kc/s. 50.13 m 1 kW: 04.00–05.00, 17.00–18.00.

EAST

NORTH BORNEO (British)

RADIO SABAH (Govt.).

ADDRESS: Director of Broadcasting, 7a Atkinson Rd. Jesselton
HOME SERVICE: VS4S 7237 kc/s 41.45 m 0.25 kW. English: Mo., Wed., Fri. 03.50–04.45. Malay, Chinese: Tues. ,Thurs., Sat.: 03.55–05.00.
A new broadcast service has been planned and equipment is ordered from the United Kingdom to supplement this. This will include a 5 kW transmitter.

BURMA

THE VOICE OF BURMA (Govt.)

ADDRESS: No. 28, Windermere Crescent, Rangoon.

LEADING PERSONALITIES: Dir. Broadc.: U. Khin Zaw, B. A., F. L. A. Deputy Dir. Broadc.: U. Pe Thaw, B. A. B. L. Dir. Tec.: U. Pu Doe, M. I. R. E.

HOME SERVICE in Burmese, English, Hindustani, Indigenous Languages: Rangoon (m.w. 5 kW, s.w. 7.5 kW).

955 kc/s	314 m	01.00–02.30, 05.30–07.30, 12.00–15.15
4774 –	62.83 –	
6034 –	49.71 –	01.00–02.30, 05,30–07,30, 12.00–15.15
9543 –	31.44 –	05.30–07.30, 12.00–15.15

Burmese: 01.00–01.15, 01.30–02.15, 05.30–06.15, 06.45–07.30, 12.00–14.15.

N.: 01.30, 07.15, 13.15. Commentary: Sun. 13.30. Weatherrep.: 13.30–13.33. Time-Sig.: 12.30, 13.00, 13.15. Progr. Preview: 14.13–14.15.

Burmese Music: D. 01.35–02.00 (exc. Sun., Mo.), 13.30–14.15. Request Prgr.: Sun. 01.35–02.00. Wed. Thurs. Fri. 06.45–07.15. Sun., Wed., Fri. 12.33–13.15. Mailbag: 02.00–02.05, 12.35–12.40 (Mo., Tues., Thurs., Sat.), 13.00–13.15 (Sun.).
English: 01.15–01.30, 06.15–06.45, 14.15–15.15.

N.: 01.25, 06.30, 15.00. Weatherrep.: 15.05–15.08. Time-Sig.: 15.00. Progr. Preview: 15.13–15.15. Relig. Progr.: Sun. 14.45–15.00. Request Progr.: Sun. 06.15–06.45. Wed., Fri. 14.30–15.00.
Hindustani: 02.15–02.30. N.: 02.22.
Indigenous: 12.00–12.30.

ANNOUNCEMENT: English: "This is Myanna Athan, the Burma Broadcasting Service."

INTERVAL-SIGNAL: Burmese Progr.: Signature tune: Burmese oboe, gongs and drums. English Progr.: Signature tune: Eric Coates "Calling all Workers". Before news Mozart's "Minuetto Allegretto in E Flat". After news: "Shepherds Dance" from Beethoven's Pastoral Symphony.

VERIFICATION by QSL-card. Return postage not required.

FUTURE PLANS: The expanded internal and external service using one 50 kW m.w. transmitter and three 50 kW s.w. transmitters will commence in 1956.

CEYLON

RADIO CEYLON (Govt.)

ADDRESS: Independence Square, Colombo 7. Cable: "Radceylon".
LEADING PERSONALITIES: Dir. Gen.: M. J. Perera, Dir. Tec.: N. S. Wickremasinghe. Dir. National Service: V. M. Abeysereka, Dir. Comm. Service: C. R. Dodd. Adm. Asst.: D. Samarakorne. Chief Accountant: S. M. Kanagaratman.

STATIONS: N.=National Service C=Commercial Service.

640	469.0	0.25	C	5020	59.76	1	Nd
700	428.6	15	N	6004	49.95	7.5	Cd
870	344.8	0.25	N	6095	49.22	7.5	Nd
920	326.0	1	N	7100	42.25	7.5/35	Cd
3385	88.63	0.25	N	7150	41.96	7.5/35	Cd
4870	61.60	7.5	C	9520	31.51	35/100	Cd
4943	60.69	7.5	N	9570	31.35	7.5/35	Cd
4965	60.42	7.5	N				
				11770	25.49	35	Cd
				17820	16.84	35	Cd

NATIONAL SERVICE

ENGLISH:: On 920/5020 kc/s: W. 01.30–03.30, 07.15–08.30, 11.30–16.45. Sun.: 01.30–08.30, 10.30–17.00.
N. & Commentary: 02.00, 07.30, 15.00. – Time Signals: 01.30, 07.30, 11.30. – Weatherrep.: 15.10, 16.45. – Religious: 01.50, 12.15. – Request Prgr.: 12.45–13.15.
SINHALESE: 01.30–03.00 (Sun. 05.00) on 700/4943 kc/s, 05.30–06.00 on 700/6095 kc/s, 11.00–16.30 on 700/4943 kc/s.
N.: 01.45, 07.15, 14.45 (exc. Sun.). – Sinhalese Music: 02.00–03.00, 06.30. – Request Prgr.: D. 13.10, Sun. 14.30, Tues. 15.45. – Mailbag: Sun. 15.00–15.15.
TAMIL: On 870/4965 kc/s: W. 01.30–03.00, 06.30–07.30, 12.30–16.30. Sun.: 01.30–04.30, 06.00–07.30, 12.30–16.30.
N.: 02.00, 07.15, 14.45. – Tamil Music: 01.45, 06.30 (exc. Fri., Sat., Sun.). – Request Prgr.: Sun. 06.45, Thurs. 15.45. – Mailbag: Sun. 14.00 (fortnitghly).
SCHOOLS SERVICE in Sinhalese, Tamil & English:
W.: 03.00–06.30 on 700 kc/s, 03.15–06.30 & 08.15–10.00 on 4943 kc/s.

COMMERCIAL SERVICE:

CEYLON SERVICE: English, Sinhalese, Tamil:
01.30–17.30: 640, 4870 kc/s.
N. in English: D.: 02.00 (BBC), 07.30. – Request Progr.: (Sinhalese): Sun. 07.30. – Sunday Choice (English): Sun. 08.30. – Sport: Sat. 07.40–13.00. – Religious Progr.: Sun.

INDIA SERVICE: English:
01.30–04.30: 7100, 11770 kc/s. 11.30–17.30: 6004, 9570 kc/s.
N.: D.: 02.00 (BBC), 12.45, 13.00 (BBC). – Religious Progr.: Sun. 03.30. D. 16.00–16.30, 16.45–17.15. Request Prgr.: D. 16.30–16.45.

EAST

← BAHRAIN RADIO: Mr. Ibrahim Ali Kanoo, Director of the Bahrain Broadcasting Station, talking to the guests at the opening ceremony of the new Broadcasting Station.

→ JAPAN: Broadcasting of Japanese classic music in the studio of Asahi Broadcasting Co.

ADEN RADIO: Musicians and Singers from the Aden Protectorate. ↓

GILBERT AND ELLICE ISLANDS BROADCASTING ↑ A native listener.

R. SARAWAK: Be bop girl of Tingar River, Sarawak, dancing to the music, played on "Shabi" streng instrument and "Keluri" (a kind of mouth organ). ↓

RADIO TEHRAN: Ill. to the broadcast "Ferdau si's Book of King" (Fri): Persian Miniature depicting Alexander in Search of "the Water of Life". ←

Bahrain Radio Ibrahim Ali Kanoo Japan Asahi Broadcasting Corporation Aden Radio Radio Teheran Radio Sarawak Gilbert and Ellice Islands

INDIA SERVICE: Hindi:
01.30–04.30: 9520 kc/s; 11.30–16.30: 7150 kc/s.
Request Prgr.: D.: 02.30. Sun. 15.15.
AFRICA SERVICE: English: 05.15–06.30 on 17820 kc/s.
SOUTH-EAST ASIA SERVICE: English: 09.15–11.15 on 17820 kc/s.
ANNOUNCEMENTS: National Service: English: "This is the National Service of Radio Ceylon. **Sinhalese:** "Me Lankà Guvanviduliye Swadeshiya Pracarayayi". – **Tamil:** "Ilankai Vanoli Thesiya Oliparappu". **Commercial Service: English:** For India "You are tuned to the Commercial Service of Radio Ceylon". – For Ceylon "This is the Commercial Service of Radio Ceylon".
INTERVAL-SIGNAL: Commercial Service: Opens and closes with "Strike up the Band".
VERIFICATION: National Service: by letter. – **Commercial Service:** QSL-card. No return postage required.

VOICE OF AMERICA STATION IN CEYLON

ADDRESS: Voice of America, Colombo Relay Base, c/o American Embassy, Colombo, Ceylon; or, Voice of America, Washington 25, D. C., U.S.A.
STATIONS: Short Wave: Colombo 35 kW 13.30–19.30 GMT. 7110 kc/s. 42.19 m 11875 kc/s. 25.26 m 15120 kc/s 19.84 m 17840 kc/s 16.82 m.
DAILY PROGRAMMES: Short Wave:

13.15–13.45 Bengali (Mo. only)	15.45–16.15 Hindi
13.30–14.00 Hindi (exc. Mo.)	16.15–17.15 Urdu (exc. Wed.)
14.00–14.30 Urdu (exc. Wed.)	16.15–17.15 Tamil (Wed. only)
14.00–14.30 Tamil (Wed. only)	17.15–17.45 English
14.30–15.30 English	18.00–19.00 (exc. Mo.)
15.30–15.45 Hindi (exc. Mo.)	18.00–19.00 Tamil (Mo. only)
15.30–15.45 Bengali (Mo. only)	19.00–19.30 English

ANNOUNCEMENT: "This is Colombo relaying the Voice of America".
VERIFICATION: By QSL-card. No return postage required.

THE PEOPLES REPUBLIC OF CHINA

BROADCASTING ADMINISTRATION BUREAU (Govt.)

ADDRESS: Broadcasting Administration Bureau, 3 Hsi Ch'ang an Chieh, Peking.
HOME SERVICE:

CENTRAL PEOPLE'S BROADCASTING STATION

First Programme from Peking:
21.55–01.00: 570, 640, 700, 800, 1040, 3915, 3960, 5968, 6100, 6154, 6170, 6743, 7170, 7500, 9040, 9555, 9735, 10260 kc/s.
03.55–05.30: 570, 640, 700, 800, 1040, 5960, 6100, 6154, 6200, 6743 7500, 9040, 9735, 10260, 11835, 11900, 11935, 15255 kc/s.
08.55–14.15: 570, 640, 700, 800, 1040, 5960, 6100, 6154, 6200, 6743 7500, 9040, 9555, 9735, 10260, 11835, 11900, 11935 kc/s. (The frequency of 1040 kc/s is not in use between 10.30–11.30. The frequencies of 5960, 6200, 11835, 11900, 11935 kc/s are not in use between 11.30–11.45. The frequencies of 3915, 3960, 5968, 6170, 7170 kc/s are in use between 11.30–11.45).
14.30–17.00: 3915, 3960, 5968, 6015, 6100, 6170, 7170, 7500, 9040, 9555, 10260 kc/s.
Second Programme:
22.55–01.30, 07.25–14.30: 600, 728 kc/s.

Peking	850, 1080	**Wuhan**	740, 1310
Tientsin	860, 1010, 1410	**Sian**	1280, 1420
Shanghai	860, 900, 1020, 1290	**Chungking**	1300
Shenyang	920, 1070	**Canton**	670, 1060, 1370
Nanking	680, 1010		

FOREIGN SERVICE:
RADIO PEKING

		kc/s
Amoy	22.30–23.00	6270, 9660, 11650, 15060
	12.30–13.00	9025, 9660, 11300, 11650, 15060
Burmese:	01.00–01.30	9660, 11300, 11650, 15060, 15105
	13.00–13.30	9025, 9660, 11300, 11650, 15060
Cantonese:	22.00–22.30	6270, 9025, 9660, 11650
	10.00–10.30	9660, 11300, 11650, 15060, 15105
Chaochou	00.30–00.45	9660, 11300, 11650, 15060, 15105
	14.00–14.30	9025, 9660, 11300, 11650
English:	03.00–03.30	11300, 11650, 11960, 15060, 15105, 15130
	09.00–09.30	9660, 11300, 11650, 15060, 15105
	14.30–15.00	6040, 9660, 11300, 11650, 9025
Indonesian:	23.00–23.30	9660, 11650, 15060, 15105
	10.30–11.00	9660, 11300, 11650, 15105
Japanese:	21.00–21.45	640, 1040, 6040, 6100, 9660
	11.00–11.30	1040, 6040, 9660, 11650
Ke-chia:	00.45–01.00	9660, 11300, 11650, 15060, 15105
	09.30–10.00	9660, 11300, 11650, 15060, 15105
Korean:	20.30–21.00	640, 1040, 6040, 6100
	08.15–08.45	6040, 6100, 9660, 10260
Thai:	00.00–00.30	9660, 11300, 11650, 15060, 15105
	13.30–14.00	9025, 9660, 11300, 11650, 15060
Vietnamese:	23.30–24.00	9660, 11300, 11650, 15060, 15105
	11.30–12.00	9025, 9660, 11300, 11650

VERIFICATION by QSL-card.

GOA (Portuguese India)

EMISSORA DE GOA (Comm.)

ADDRESS: Emissora de Goa, Cidade de Goa, Portuguese India. Cable: Emissora, Goa.
LEADING PERSONALITIES: Pres.: J. Oliveira Chaves. Asst. Dir.: J. E. Lima do Souto. Dir. Tec.: V. Carvalho. Chief of Bureau: C. da Piedade Duarte Catulo.
HOME SERVICE:

CR8AA	557 kc/s	538.0 m	2.5 kW	07.30–19.30
CR8AB	3425 –	87.70 m	5 –	exp.
CR8AB	6025 –	49.79 –	5 –	02.00–17.30
CR8AB	9610 –	31.22 –	10 –	02.00–17.30

02.00–02.30	Portuguese	07.00–08.00	English
02.30–03.30	Urdu or Marathi	08.00–09.00	Portuguese
		09.00–13.00	English
05.00–06.00	Gujarati	16.30–17.30	Portuguese
06.00–07.00	Hindi		

ANNOUNCEMENTS: English: "Radio Goa – Voice of Goa – Voice of Portugal". Portuguese: "Emissora de Goa – Voz de Goa – Voz de Portugal". English Commercial Service: "This is the Commercial Service of Radio Goa".
VERIFICATION by letter.
FUTURE PLANS: 10 kW transmitters planned to operate on 15235 17795, 21685 kc/s.

HONG KONG

RADIO HONG KONG (Govt.).

ADDRESS: Radio Hong Kong, Broadcasting Department, Hong Kong Government, P.O. Box 200, Hong Kong. Location: Electra House, 3 Connaught Road, Hong Kong. Cables: "Broadcasts".
LEADING PERSONALITIES: Acting Controller of Broadcasting: D. Lyttle. Eng. incharge: W. A. Waters.
HOME SERVICE:
ENGLISH: ZBW 860 kc/s 349 m 2 kW 23.00–01.00, 04.30–06.00, 10.00–15.00.
CHINESE:
ZEK 640 kc/s 468 m 2 kW – ZBW 3 3940 kc/s 76.15 m 2.5 kW
On 640 kc/s: 00.00–01.00, 03.30–06.00, 10.00–15.00.
On 3940 kc/s: 04.30–06.00, 10.00–15.00.
ANNOUNCEMENTS: English: "This is Radio Hong Kong". **Cantonese:** "Ni Shu Hai Heung Gong Quong Bor Din Toy".
VERIFICATION by QSL-card. No return postage required.

INDIA

ALL INDIA RADIO (Govt.)

ADDRESS: Directorate Gen., All India Radio, Broadcasting House, Parliament Street, New Delhi. Cable: "Airgeneral".
LEADING PERSONALITIES: Dir. Gen.: Sri J. C. Mathur I. C. S. Dir. Tec.: B. V. Baliga. Dep. Dir. Gen.: Sri A. K. Sen. Gri B. P. Bhatt. Dir. Prgr.: B. S. Mardhekar. Dir. News Service: Sri M. Sivaraman. Dir. External Service: Miss M. Masani. Dir. Music: Mrs. S. Mutatkar.

The Announcers of the Central Peoples Broadcasting Station of the Peoples Republic of China.

Goa China Hongkong India Central Peoples Broadcasting station CPBS

STATIONS:

Medium Waves:

North Regional	kc/s	m	kW	West Regional	kc/s	m	kW
Delhi A	890	337.1	10	Bombay A	1230	243.9	10
Delhi B	1070	280.4	10	Bombay B	550	545.5	50
Lucknow	760	394.7	50	Nagpur	590	508.5	1
Allahabad	980	306.1	50	Ahmedabad	850	352.9	50
Patna	1130	265.5	5	Dharwar	740	405.4	1
Jullundur	710	422.5	50	Poona	800	375.0	5
Jaipur	1120	267.9	1	Rajkot	910	329.7	1
South Regional				Indore	650	461.5	20
Madras A	1420	211.3	20	**East Regional**			
Madras B	1110	270.3	20	Calcutta A	810	370.4	10
Tiruchirapalli	770	389.6	5	Calcutta B	670	447.8	10
Vijayawada	840	357.1	20	Calcutta B	1000	300.0	10
Trivandrum	660	454.5	5	Cuttack	1350	222.2	1
Kozhikode	580	517.2	1	Gauhati	780	384.6	1
Hyderarad	730	411.0	5				
Mysore	970	309.3	0.25				

Short Waves: Delhi VUD 5/7.5/10/20/100 kW

kc/s	m	kc/s	m	kc/s	m	kc/s	m
3245	92.51	6190	48.47	9630	31.15	11925	25.16
3250	92.31	6220	48.23	9655	31.07	11940	25.13
3295	91.05	6290	47.69	9660	31.06	11950	25.10
3365	89.15	7035	42.64	9670	31.02	11960	25.08
3435	87.34	7065	42.46	9680	30.99	11965	25.07
3495	85.84	7115	42.16	9695	30.94	11970	25.06
3905	76.82	7120	42.13	9705	30.91	12020	24.96
3925	76.45	7125	42.11	9710	30.90	15085	19.89
3935	76.24	7135	42.05	9720	30.86	15130	19.83
3945	76.05	7140	42.02	9740	30.80	15150	19.80
3950	75.95	7150	41.96	9745	30.79	15160	19.79
3970	75.57	7155	41.93	9750	30.77	15170	19.78
3980	75.38	7165	41.87	9755	30.75	15190	19.75
3990	75.19	7170	41.84	9765	30.72	15210	19.72
4760	63.03	7180	41.78	9770	30.71	15235	19.69
4860	61.73	7190	41.72	9795	30.63	15240	19.69
4870	61.60	7205	41.64	9800	30.61	15245	19.68
4880	61.48	7210	41.61	9810	30.58	15255	19.67
4930	60.85	7220	41.55	9840	30.49	15265	19.67
4940	60.73	7225	41.52	9850	30.46	15285	19.63
4960	60.48	7230	41.49	11620	25.82	15290	19.62
4990	60.12	7240	41.44	11625	25.81	15320	19.58
5960	50.34	7250	41.38	11640	25.77	15325	19.58
5970	50.25	7255	41.35	11710	25.62	15350	19.54
5975	50.21	7260	41.32	11745	25.54	15380	19.51
5980	50.17	7275	41.24	11760	25.51	15400	19.48
5990	50.08	7285	41.18	11780	25.47	15405	19.47
6010	49.92	7290	41.15	11790	25.45	15430	19.44
6040	49.67	7295	41.12	11810	25.40	17705	16.94
6045	49.63	9525	31.50	11820	25.38	17730	16.92
6060	49.50	9530	31.48	11830	25.36	17740	16.91
6065	49.46	9550	31.41	11835	25.35	17760	16.89
6070	49.42	9560	31.38	11850	25.32	17780	16.87
6075	49.38	9565	31.36	11870	25.27	17830	16.83
6080	49.34	9575	31.33	11875	25.26	17840	16.82
6110	49.10	9580	31.32	11890	25.23	17850	16.81
6130	48.94	9590	31.28	11895	25.22	21510	13.94
6145	48.82	9615	31.20	11915	25.18	21660	13.85
6150	48.78	9620	31.19	11920	25.17	21700	13.82

Simla 25 kW: 3205 kc/s 93.60 m – 4760 kc/s 63.03 m.

Madras: VUM 0.25/10 kW
4920 60.98 – 6085 49.30 – 7260 41.32 – 9590 31.28

Mysore:
4800 62.50 – 6065 49.46

Bombay: VUB 0.25/10 kW
3945 76.05 – 4840 61.98 – 6150 48.78 – 7240 41.44 – 9550 31.41

Calcutta: VUC 0.25/10 kW.
3305 90.77 – 4880 61.48 – 6010 49.92 – 7210 41.61 – 9530 31.48

HOME SERVICES

NORTH REGIONAL SERVICE

Delhi A.	Sept./March m.b.		Sept./March
01.00–03.30	337	07.00–08.00	48–41
01.00–02.15	89–60	12.00–17.30	337
02.30–03.30	60–48	12.00–13.00	76–48
03.30–05.30(Sun.)	60–48	14.45–17.30	89
05.45–07.00	48–41	**Delhi B.**	**m.b.**
07.00–08.20	337	01.00–03.30	280
07.30–09.00	280		
08.00–09.00	48–41		
12.00–17.30	280	**Simla**	
13.15–14.15	76–49	01.30–03.00	63
13.15–14.45	89	12.00–15.45	93

Lucknow: 01.30–03.30, 07.00–08.30, 12.00–17.00.
Allahabad: 01.30–03.30, 07.00–08.30, 12.00–17.00.
Patna: 01.30–03.30, 07.00–08.30, 12.00–17.00.
Jullundur: 01.30–03.30, 06.30–08.30, 12.30–17.00.
Jaipur: 01.00–03.00, 12.30–16.30.

SOUTH REGIONAL SERVICE

Madras A.	Sept./March m.b.	Madras B.	Sept./March m.b.	Mysore	Sept./March m.b.
01.25–02.45	211–49–41	01.25–02.45	270–60–49	01.30–02.45	309–49
07.00–09.10	211–41–31	06.30–09.15	270–49–41	08.00–09.00	309–49
10.30–11.30	211–41–31	10.30–11.30	270–49–41	12.00–16.30	309–62
12.00–17.00	211–49	12.00–17.00	270–60		

Tiruchirapalli: 01.30–03.00, 07.00–09.15, 12.00–16.30.
Vijayawada: 01.25–02.45, 07.00–09.15, 10.30–11.00, 12.00–16.30.
Trivandrum: 01.45–03.15, 10.30–11.00, 12.00–16.30.
Kozhikode: 01.45–03.15, 10.30–11.00, 12.00–16.30.
Hyderabad: 01.25–03.30, 07.00–08.30, 12.00–17.00.

WEST REGIONAL SERVICE

Bombay A.	Sept./March m.b.	Bombay B.	Sept./March m.b.
01.30–03.30	244–76–61	01.30–03.30	545–61–48
07.15–09.00	244–41	07.15–09.00	545–31
12.00–17.30	244	12.00–17.30	545
12.00–14.00	41	12.00–14.30	31
14.15–17.30	76–61	14.45–17.30	61–48

Nagpur: 01.30–03.30, 07.00–08.30, 12.30–17.00.
Ahmedabad: 01.30–03.30, 07.00–08.30, 12.30–16.30, **Dharwar:** 01.30–03.30, 12.30–16.30. – **Poona:** 01.30–03.30, 12.30–17.00. **Rajkot:** 01.30–03.30, 12.30–16.30. – **Indore:** 01.30–03.30, 12.30–16.30.

EAST REGIONAL SERVICE

Calcutta A.	Sept./March m.b.	Calcutta B.	Sept./March m.b.
01.30–03.30	370–61–49	01.00–03.00	447–300–49–41
07.00–09.00	370–41	07.00–09.00	447–300–31
11.30–17.30	370	11.30–17.30	447–300
11.30–12.45	61–41	11.30–13.00	49–31
13.00–17.30	90–61	13.15–17.30	61–49

Cuttack: 01.30–03.15, 12.30–16.30.
Gauhati: 01.20–03.00, 07.30–08.30, 11.45–16.00.

HOME NEWS SERVICES

Bengali:
02.00–02.15: Delhi 48, 41, 31, m. b.; Calcutta A, B, 61, 49 m. b.
07.20–07.30: Delhi 30, 25 m. b.; Calcutta A, B, 41, 31 m. b.
14.00–14.15: Delhi 63, 49 m. b.; Calcutta A, B, 90, 61 m. b.

English:
02.30–02.45: Delhi B, 75, 48, 41, 31, 25, 19 m. b.; Bombay B, 61, 48 m. b.; Calcutta A, B, 61, 49, 41, m. b.; Madras A, B, 60, 49, 41, m. b.; all m. w. stations.
08.00–08.10: Delhi B, 48, 41, 31, 25, 19, 16, m. b.; Bombay B, 31 m.b.; Calcutta A, 41 m. b.; Madras B, 49 m. b.
12.30–12.35: Delhi B, 63, 41, 31, 25, 19, m. b.; Bombay B, 31 m. b.; Calcutta A, 41 m. b.; 31 m. b.; Calcutta A, 41 m. b.; Madras A, B, 60, 49 m. b.
15.30–15.45: Delhi B, 93, 75, 60, 50, 41, 31, 25 m. b.; Bombay B, 61, 49, m. b.; Calcutta A, B, 90, 61, 49 m. b.; Madras A, B, 61, 49 m. b.; all m. w. st.; Mysore 970 kc/s, 62 m. b.

Gujerati:
03.15–03.30: Delhi 49, 41, 30, 25 m. b.; Bombay A, 76, 61 m. b.; 850, 910 kc/s.
07.30–07.40: Delhi 41, 31, 25, 19 m. b.; Bombay A, 41, m. b.; 850 kc/s.
14.30–14.45: Delhi 75, 63, 49, 41 m. b.; Bombay A, 76, 61, m. b.; 850, 910 kc/s.

Hindi:
02.45–03.00: Delhi A, 75, 60, 48, 41, 30, 25 m. b.; Bombay B., 61 m.b.; Calcutta A, B, 61, 49 m. b.; 760, 1130, 710, 590, 980, 1350, 780, 730, 910, 1120, 650, 760 kc/s.
08.10–08.20: Delhi A, 48, 41, 30, 25, 19, 16 m. b.; Bombay B, Madras A, 41 m. b.; 760, 1130, 710, 590, 980, 770, 840 kc/s; Mysore 970 kc/s, 49 m. b.
12.35–12.40: Delhi A 76, 63, 41, 31, 25, 19 m. b.; Bombay B 31 m. b.; 760, 1130, 710, 590, 980, 800, 660, 580, 1120, 650; Simla 93 m. b.
14.45–15.00: Delhi A, 89, 75, 60, 50, 41, 31, 25 m. b.; Bombay B, 61 m. b.; Calcutta A, B, 90, 61, 49 m. b.; 760, 1130, 710, 590, 980, 1350, 780, 740, 850, 910, 1120, 550, Simla 93m.b.

Tamil:
01.45–02.00: Delhi 41, 30, 19 m. b.; Madras A, 49 m. b.; 770 kc/s.

18.30–08.40: Delhi 25, 19, 16, Madras A, 41 m. b.; 770 kc/s.
13.45–14.00: Delhi 41, 31 m. b.; Madras A, 49 m. b.; 770 kc/s.
Telugu:
01.30–01.45: Delhi 48, 41, 30, 25, 19 m. b.; Madras B, 60 m. b.; 840, 730 kc/s.
08.20–08.30: Delhi 25, 19, 16 m. b.; Madras B, 49 m. b.; 840, 730 kc/s.
13.30–13.45: Delhi 41, 31 m. b.; Madras B, 61 m. b.; 840, 730 kc/s.

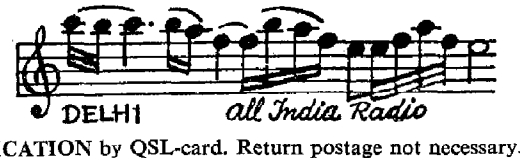
EXTERNAL SERVICES

GENERAL SERVICE (for Indians Overseas)

Sept./March	m.b.	News
East & South East Asia		
00.15–01.15	41–31–25	00.15 Tamil
01.30–02.30	25–19–16	01.30 Hindi
East & Central Africa, Mauritius		
03.30–04.00	25–19–16	03.30 Konkani
04.15–05.30	25–19–16	04.15 Gujrati
		04.25 English
		04.45 Hindi
15.00–15.30	25–19–16	15.00 Hindi
15.45–15.55	31–25–19	15.45 English
16.30–17.15	31–25–19	16.30 Gujrati
EASTERN SERVICE		
Burma		
00.30–00.50	41–31–25	00.30 English
		00.40 Burmese
11.15–12.00	25–19–16	11.15 Burmese
China		
12.00–13.15	41–31–25	12.00 Cantonese
		12.30 Kuoyu
China, Korea, Japan		
10.00–11.00	25–19–16	10.00 English
Indonesia		
22.45–23.00	76–49–41	
12.00–12.30	25–19–16	12.00 Indonesian
East & South East Asia		
13.30–14.30	31–25–19–16	13.35 English
Australia/New Zealand		
10.00–11.00	31–25–19	10.00 English
WESTERN SERVICE		
Pakistan		
03.20–03.30	76–49–41	
13.15–14.15	89–60–49–41	
Afghanistan/Persia		
03.30–03.45	60–49–41	03.30 Pushto
04.00–04.15	25–19–16	
13.45–14.30	75–49	13.50 Pushto
16.15–17.15(not Sat.)	49–41–31	16.30 Persian
Saudi Arabia, Egypt, Lebanon, Syria, North Africa, Jordan, Sudan, Iraq, Yemen, Persian Gulf		
05.00–05.30	25–19–16	05.05 Arabic
17.30–18.30	49–41–31	17.40 Arabic
East Africa		
15.55–16.30	31–25–19	15.55 Swahili
Europe, U.K., West Africa		
19.45–20.45	49–41–31–25	19.45 English
Western Europe, North Africa, Levant		
18.45–19.30	75–49–41–31	18.45 French
Portugal, Western Europe		
19.00–19.30	49–41–31	19.05 Portuguese

ANNOUNCEMENT: "This is all India Radio".

INTERVAL-SIGNAL: All India Radio's signature tune is a melody of eight second's duration repeated with intervals of 10 seconds in between. The instruments used are violin, viola, cello and tampura.



VERIFICATION by QSL-card. Return postage not necessary.

INDOCHINA

VIETNAM

RADIODIFFUSION NATIONALE DU VIET-NAM (Govt.)

ADDRESS: 3, rue Phan-Dinh-Phung, Saigon, South Viet-Nam.

LEADING PERSONALITIES: Dir. Gen.: Commandant Doan-Van-Cuu. Dir. Tec.: Jean Pham Duy. Station Dir. R. Dalat: Buu-Nghi. Station Dir. R. Hue: Ngo Ganh.

STATIONS: Saigon.

kc/s	m	kW	kc/s	m	kW	kc/s	m	kW
838	358.0	1	6165	48.66	1	9620	31.19	12
1090	275.2	5	7290	41.15	12			

HOME SERVICE:

On 1090/6165/9620 kc/s: W. 22.45–01.00, 03.00–06.00, 10.00–15.45. Sat. 22.45–01.00, 03.00–15.45. Sun.: 22.45–06.45, 08.00–15.45.

VIETNAMESE: 22.45–01.00, 04.00–05.30, 10.00–15.45.
N.: 23.00–23.25, 23.50–24.00, 04.45–05.05, 11.00–11.15, 13.00–13.15

Religious: For Catholics Sun.: 03.30–04.00, Sat. 09.30–11.15.

Language-Lessons: English: Daily 10.15–10.30 & 13.45–14.00.

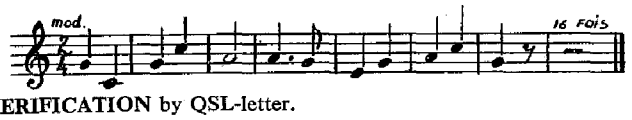
Weatherrep.: 23.00. – Mailbag: Sun. 01.00–01.15. National Music: Songs from North-Viet-Nam: Mo., Fri., 14.15–15.00. Tues. 11.15–11.55. Music from Central Viet-Nam: Sun. 10.30–11.00. Tues. 00.00–00.30, Thurs. 11.15–11.55. Old Music from South Viet-Nam: Sun. 02.00–02.45, Thurs. 15.00–15.45, Sat. 11.15–11.55.
French: 05.00–06.00. – Cantonese: 03.00–04.00.

FOREIGN SERVICE:

On 838/7290 kc/s: 22.00–22.45, 00.00–01.30, 12.30–16.00.
Vietnamese: 22.00–22.45, 00.30–01.30, 12.30–13.00 (relay VOA).
English: 13.00–13.30. N.: 13.00–13.15.
French: 13.30–15.00 N.: 13.48–14.05, 14.45–14.50.
Chinese: 15.00–16.00. N.: 15.00–15.10, 15.30–15.40.
Thai: 00.00–00.30. N.: 00.00–00.15.

ANNOUNCEMENTS: Vietnamese: "Day lá Dái Phát-Thanh SAIGON – Tieng noi nuuc Viet-Nam". – French: "Ici la Voix du Viet-Nam, diffusée du Poste National de Saigon". – English: "This is the Voice of Viet-Nam, bringing you our nightly English-language broadcast".

INTERVAL-SIGNAL: Home Service:



VERIFICATION by QSL-letter.

REGIONAL PROGRAMMES:

R. Dalat:
1440 kc/s 208 m 1 kW } Vietnamese: 23.00–24.00,
7265 kc/s 41.29 m 1 kW } 10.00–12.45.

R. Hue:
1150 kc/s 261 m 1 kW } Vietnamese: 22.30–23.30, 02.30–03.30,
7205 – 41.64 – 1 – } 04.30–05.30, 10.00–13.30.

RADIO FRANCE ASIE

ADDRESS: 86 rue Marechal de Lattre de Tassigny, Post Office Box 412, Saigon. Cable: "Radiasie".

LEADING PERSONALITIES: Dir. Gen.: Jean Varnoux.

STATIONS: Medium Waves 1 kW:
1030 kc/s 291 m – 1360 kc/s 220 m
Short Waves 25 kW (2), 5 kW (1):

4825 kc/s 62.18 m	7230 kc/s 41.49 m	11790 kc/s 25.45 m
5970 – 50.25 –	9750 – 30.77 –	11830 – 25.35 –
5975 – 50.21 –	9775 – 30.68 –	15430 – 19.44 –
	9805 – 30.60 –	17785 – 16.86 –

HOME SERVICE to Indochina, S.E. Asia:

English: 23.30–00.00	7230 kc/s.	N. 23.30–23.45
French:		
22.45–01.30	5975, 4825 (to 00.30), 1030 kc/s –	N. 23.15–23.45 00.15–00.30
04.00–06.00	9750, 5970, 1030 kc/s –	N. 04.45–05.00
11.00–15.30	9750, 5970, 1030 kc/s –	N. 11.00–11.15
11.00–15.30	1360 kc/s (2nd progr.) –	N. 12.15–12.45 15.15–15.30
Vietnamese:		
22.45–24.00	7230 kc/s (to 23.30), 1360 kc/s –	N. 23.15–24.00
04.00–05.15	7230, 1360 kc/s –	N. 05.00–05.15
10.00–13.00	7230, 1360 kc/s –	N. 12.30–13.00
FOREIGN SERVICE:		
English:		
01.30–01.45	9775 kc/s to I. SAs	N. 01.30–01.45
07.45–10.00	15430 kc/s to A. NZ.	N. 09.00–09.30
10.45–11.15	17785 kc/s to Eu.	N. 10.45–11.00
14.00–14.45	9805 kc/s to I., SAs.	N. 14.00–14.15
French:		
01.45–02.00	9775 kc/s to I.	N. 01.45–02.00
10.00–10.15	15430 kc/s to Au. NZ.	N. 10.00–10.15
10.30–10.45	17785 kc/s to Eu	N. 10.30–10.45

ANNOUNCEMENTS: "Ici Radio France-Asie, la Voix de la France en Extrême Orient" and "This is Radio France-Asie, the voice of France in the Far East". VERIFICATION by QSL-card.

RADIO HIRONDELLE (Military).
ADDRESS: Service Presse Information Militaire, Secrétariat Général, Commissariat Général de France et Commandement en chef en Indochine, Saigon.
DAILY PROGRAMMES in French:
6105 kc/s 49.14 m 1.5 kW: 01.00–02.00, 06.00–09.30, 12.00–18.00.
VERIFICATION by QSL-letter.

NORTH VIETNAM (Peoples Republic of)
"Voice of Vietnam", Hanoi 10.15–14.00.
7420 kc/s 40.43 m 12000 kc/s 25.00 m
9925 – 30.24 – 15020 – 19.98 –
Chinese: 10.30–11.00, 11.30–12.00. English: 12.30–13.00. French: 13.00–13.30. Vietnamese: 10.15, 12.00, 13.30.

CAMBODIA

RADIODIFFUSION NATIONALE KHMERE , PHOM-PENH.
Phnom-Penh 6090 kc/s 49.26 m 1 kW (to be increased to 10 kW)
Battambang 6035 – 49.71 – 0.05 –
Siemrap 4907 – 61.12 – 0.2 –
In Cambodian (Khmère): 23.00–24.00, (news in French 23.15–23.30) 04.00–06.00 (news in French 04.45–05.00), 10.00–13.15.
ANNOUNCEMENT: French: "Ici Phom-Penh, Radio Cambodge Radiodiffusion Nationale Khmère".

LAOS

RADIO LAO, VIENTIANE.
7145 kc/s 41.99 m 1 kW, 9610 kc/s 31.22 m 1 kW.
DAILY PROGRAMMES: 01.00–02.00, 10.30–13.30 in Vietnamese, English, French & Thai.
ANNOUNCEMENT: "This is R. Lao calling from Vientiane, Laos".
VERIFICATION by letter.

INDONESIA

RADIO REPUBLIK INDONESIA (Government).
ADDRESS: Head Office: Djawatan Radio Republik Indonesia, Medan Merdeka Selatan 17, Djakarta. Cable: RIVOX.
Djakarta: 4 and 5 Medan Merdeka Barat, Bandung: Tjiumbuluit, Semarang: 130 Djalan Pandanaran, Surakarta: 1 Djalan Marconi, Surabaya: 34 Djalan Kajoon, Jogjakarta: 6 and 8 Setjodiningratan, Djember: 1 Djalan Irigasi, Madiun: 30a Djalan Raya, Denpasar: Melati, Kotaradja: Djalan Pentjul, Medan: 28 Djalan Serdang, Padang: 14 Djalan Sukarno, Palembang: 2 Djalan Merdeka, Bukittinggi: 22 Djalan Rumah Sakit, Menado: E. 9 Rumah Buruh Sario, Makassar: 2 Djalan Radjawali, Bandjarmasin: 6 Djalan Sudimoro, Pontianak: 7 Djalan Prawira, Ternate: c/o Studio Ternate, Samarinda: S.34 and 35 Djalan Pemandian, Tjirebon: 129 Djalan Kedjaksaan, Ambon: Djalan Batugadjah.
LEADING PERSONALITIES: Head Office: Dir. Gen.: R. Maladi. Dir. Progr.: R. M. Sumarmadi. Dir. Adm.: R. S. Hardjolukito. Dir. Tec.: G. de Wilde. Dir. News: R. Maladi. – Stations: Directors: Djakarta: Moh. J. Ronodipuro. Bandung: L. S. Tunaro. Jogjakarta: R. C. S. Hadisukanto. Surakarta: O. Soemowidjojo. Surabaya: R. Harto. Semarang: S. Sumobroto. Madiun: Mardjuki. Djember: Sumitro. Tjirebon: Suparto. Palembang: Myrin Kusumo. Padang: Kartoyo. Bukittingii: A. Nurin. Medan: M. Arief. Kotaradja: A. Azis. Pontianak: S. Karsomahardjo. Bandjarmasin: Djaswadi. Makassar: R. M. S. Adiseputro. Menado: S. A. Muri. Ambon: W. Ch. Risakotta. Denpasar: B. K. Naftali. Studio Ternate: Koesno Alibari. Samarinda: Soetarjo. Tandjung Pinang Studio (Island near Singapore): Sumitro, Sibolga Studio (Sumatra): Simandjuntak.

HOME SERVICES

Call	kc/s	m	kW	
Djakarta (Java Central Station)				
YDB	2240	133.90	1	
YDB	2460	121.95	1*	
YDD	3277	91.54	1	
YDB4	3935	76.24	7.5	
YDB2	4910	61.10	0.3	
YDF	6045	49.63	100	
YDB3	7270	41.26	7.5	
YDF6	9710	30.9	50	
YDE	11770	25.49	7.5	
Bandung (W. Java)				
YDA2	2420	123.96	0.25	
YDA	3205	93.66	10	
YDA3	4945	60.61	0.25	
Djember (E. Java; relay)				
YDI6	2330	128.74	0.3	
Jogjakarta (C. Java)				
YDJ3	2350	127.65	0,1-1	
YDJ	5060	59.29	7.5	
YDJ2	7100	42.25	1	(20)
Madiun (E. Java; relay)				
YDG6	3286	91.29	0.3	
Semarang (C. Java)				
YDH	2490	120.48	0.15	(1)
YDH2	3259	92.05	1	(5)
Surabaja (E. Java)				
YDI3	2370	126.50	0.25	
YDI	3355	89.41	1	
YDI2	3980	75.37	5	(10)
Surakarta (C. Java)				
YDG2	2440	122.95	1	
YDG	3305	90.77	10	
YDG3	7250	41.36	1	
Tjirebon (W. Java; relay)				
YDA4	2390	125.50	0.3	
Padang (S. Sumatra)				
YDL2	2480	120.96	0.3	(1)
YDL	3968	75.75	1*)	(10)
YDL3	6170	48.62	1*	
Palembang (S. Sumatra)				
YDK2	2430	123.40	1	
YDK	4855	61.79	10	
Bukitingi (N. Sumatra)				
YDM	3232	92.82	0.3	(5)
YDM2	5030	59.64	1	
Kotaradja (N. Sumatra)				
YDN	2390	125.50	0.1	
YDN2	4985	60.18	1	
Medan (N. Sumatra)				
YDP2	3395	88.36	0.25	(1)
YDP	4930	60.85	7.5	
YDP3	7240	41.44	1	(20)
Sibolga (Sumatra)	2320	128.74	0.35	
Bandjarmasin (Kalimantan)				
YDO	3250	92.31	1*)	(10)
YDO2	5970	50.25	1*)	
Pontianak (Kalimantan)				
YDW	3345	89.65	1	(5)
Samarinda (Kalimantan, relay)	3295	91.00	0.15	
Makassar (Sulawesi)				
YDQ	3325	90.22	0.25	
YDQ3	7295	41.12	1	
YDQ2	9550	31.41	3	(20)
Menado (Sulawesi)				
YDS	3214	93.34	1*)	
YDS2	5990	50.08	1*)	
Denpasar (Nusa Tenggara)				
YDU2	3241	92.56	0.15	
YDU	4840	61.98	1	(10)
Ambon (Maluku)				
YDR3	3395	88.36	10	
YDR	4865	61.66	1	
Ternate (Maluku relay)				
YDR2	2460	121.95	0.15	
Tandjunk Pinang (Sumatra)	3223	93.09	0,1	

*) When two frequencies on the same transmitter are mentioned, the shortest frequencies are for use in the evening and the other frequencies at daylight. Figures in brackets indicate the power to which the frequency will be increased.

DJAKARTA

National Programme on **2240, 2460, 6045, 11770** (only W. 04.30–07.15), 3935 kc/s (only D. 09.30–15.30). W.: 22.30–00.45, 04.30–07.15, 09.30–15.30. Sun.: 23.30–07.15, 09.30–15.30.

Home Programme on **3277, 7270** kc/s.
School and educational broadcasts and broadcasts for foreigners.
W.: 22.30–00.45, 04.30–07.15, 09.30–15.30. Sun.: 23.30–07.15, 09.30–15.30.

BANDUNG: W.: 22.30–00.45, 04.30–07.15, 09.30–15.30. Sun.: 23.30–07.15, 09.30–15.30.

DJEMBER, JOGJAKARTA, MADIUN, SEMARANG, SURABAYA, SURAKARTA, TJIREBON: As Bandung.

BUKITTINGGI, KOTARADJA, MEDAN: W.: 23.30–01.45, 05.30–08.15, 10.30–16.30. Sun.: 00.30–08.15, 10.30–16.30.

PADANG, PALEMBANG: W.: 23.00–01.15, 05.00–07.45, 10.00–16.00. Sun.: 00.00–07.45, 10.00–16.00.

BANDJARMASIN, PONTIANAK, SAMARINDA: W.: 22.30–00.45, 04.30–07.15, 09.30–15.30. Sun.: 23.30–07.15, 09.30–15.30.

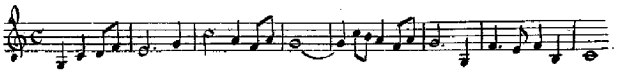
MAKASSAR, MANADO: W.: 22.00–00.15, 04.00–06.45, 09.00–15.00. Sun.: 23.00–06.45, 09.00–15.00.

DENPASAR: W.: 22.30–00.45, 04.30–07.15, 09.30–15.30. Sun.: 23.30–07.15, 09.30–15.30.

AMBON, TERNATE: W.: 21.30–23.45, 03.30–06.15, 08.30–14.30. Sun.: 22.30–06.15, 08.30–14.30.

ANNOUNCEMENT: National Programme: Indonesian: "Inilah Radio Republik Indonesia di..." (name of the station).

INTERVAL-SIGNAL: National Programme:



played on hammond organ by Sudarnoto.
VERIFICATION by QSL-card or by letter. Return postage not necessary.

FOREIGN SERVICE FROM DJAKARTA

	kc/s	m	kW			kc/s	m	kW	
YDD	3277	91.54	1	1)	YDF2	11770	25.49	100	5)6)
YDB2	4910	61.10	0.3	1)	YDF7	11770	25.49	100	2)
YDF5	7220	41.55	100	2)	YDF3	11795	25.43	100	2)
YDB3	7270	41.26	7.5	3)	YDG	15150	19.80	100	2)
YDF6	9710	30.90	50	4)	YDF4	17810	16.84	100	2)
YDF8	9865	30.40	50	5)					

Target areas: 1) Indonesia (Foreigners), 2) Spare frequencies, 3) Laos, Cambodia, Vietnam, 4) Java, W. Coast USA, E. Asia, Japan, S. E. Asia, 5) Australia, N. Zealand, India, M. East, Europe, 6) C. America.

Arabic	13.00–14.00	4) 4910, 9710 kc/s	16.15–17.00 5) 9865, 11770
Chinese	12.00–13.00	1) 4) 4910, 9710	
English	11.00–12.00	1) 4) 4910, 9710	
	14.30–15.30	1) 4) 4910, 9710	
	19.00–20.00	5) 9865, 11770	
French	15.30–16.30	3) 3277, 7270	
	17.00–18.00	5) 9865, 11770	
Hindi	15.30–16.00	4) 4910, 9710	
Indonesian/Dutch	18.00–19.00	5) 9865, 11770	
Indonesian	01.00–02.00	6) 9710, 11770	
Urdu	14.00–14.30	4) 4910, 9710	

ENGLISH PROGRAMMES:
N.: 11.15, 14.45, 19.15. – **"Indonesia in Word and Music"**: Mo.: 11.42, 15.12, 19.42. – **"Spotlight on Indonesia"**; Tues.: 11.35, 15.05, 19.35. – **"Indonesian Headline"**: Wed.: 11.30, 15.00, 19.30. – **"My country and my People"**: Thurs.: 11.30, 15.00, 19.30. – **"Indonesian Guestbook"**: Fri.: 11.30, 15.00, 19.30. – **"Indonesian Music"**: Sun.: 11.27, 14.57, 19.27. Fri.: 11.02, 14.32, 19.02. Sat.: 11.38, 15.08, 19.38. – **"Turntable Time"**: Tues.: 11.42, 15.12, 19.42 (Request Progr. consisting of Western songs and popular Indonesian tunes). – **"Norwegian Talk"**: Every fourth Tues. of the month at 19.35 (for listeners in Scandinavia).

INDONESIAN/DUTCH PROGRAMMES:
Indonesian: Mo., Wed., Fri., Sun. 18.00–19.00, Tues., Thurs., Sat. 18.00–18.30.
Dutch: Tues., Thurs., Sat. 18.30–19.00.

ANNOUNCEMENTS: English: "This is the Voice of Indonesia broadcasting from Djakarta". **French:** "Ici Djakarta, la voix de l'Indonésie". **Dutch:** "Dit is Radio Republiek Indonesia in Djakarta".

INTERVAL-SIGNAL: Some instrumental music in accordance with the genre of the next progr.

VERIFICATION by QSL-card or by letter. Listeners reports are welcomed. Return postage not necessary.

PUBLICATIONS: Weekly: »Pedoman Radio« (home progr.) »Berita Radio" (News on broadcasts in Indonesia – **Monthly:** "Voice of Indonesia" (Foreign broadcasts in Indonesian, Hindi, Urdu, Chinese Arabic, English, French, Dutch); free by request "Saut Indonesia" in Arabic.

JAPAN

NIPPON HOSO KYOKAI (Public Corporation – non commercial)

ADDRESS: The Japan Broadcasting Corporation 2, 2-chome, Uchisaiwai-cho, Chiyoda-ku, Tokyo. Cable: "Radio NHK", Tokyo.

LEADING PERSONALITIES: Chairman of the Board of Governors: Ichiro Yano. Pres.: Tetsuro Farukaki. Vice-pres.: Shigeru Komatsu. Directors: Shigenobu Okabe, Yoshiyuki Kanagawa, Masao Kato. Inspectors: Harushi Ishijima, Teizo Horikoshi. Chief of General Affairs Dept.: Yukio Ikeda. Chief of Finance Dept.: Sukezo Tochizawa. Chief of Radio Dept.: Yoshikazu Kasuga. Chief of TV Dept.: Yoshio Yoshikawa. Chief of International Broadcasting Dept.: Seiki Sakiyama. Chief of News Dept.: Yoshinori Maeda. Chief of Radio and TV: Culture Research Institute, Shigeru Nakamura. Chief of Tec. Dept.: Kei Mizogami. Chief of Facility Dept.: Tetsumi Yokoyama. Chief of Technical Research Laboratory: Yoshitoshi Tanabe. Chief of Public Relations Dept.: Kameichi Sugimoto.

HOME SERVICE

FIRST NETWORK: 20.00–14.30 in **Japanese.**

kc/s	kW	Call	Location	kc/s	kW	Call	Location
*) 590	50	JOAK	**Tokyo**	920	0.3	JORG	Hirosaki
620	0.5	JOKG	Kofu	1000	0.5	JOUK	Akita
780	0.5	JONK	Nagano	1200	0.5	JOJP	Tsuruoka
1020	0.5	JOSG	Matsumoto	900	0.5	JOIG	Toyama
850	10	JOQK	Nigata	1020	0.5	JOFG	Fukui
§) 1340	0.1	JOSU	Okayasuwa	1160	0.1	JOCS	Toyohashi
*) 670	50	JOBK	**Osaka**	1170	10	JOJK	Kanazawa
900	0.5	JOOK	Kyoto	*) 790	10	JOFK	**Hiroshima**
*) 730	10	JOCK	**Nagoya**	680	0.5	JOUG	Hofu
540	0.5	JOCQ	Takayama	920	0.5	JOLG	Tottori
620	0.5	JODG	Hamamatsu	960	0.5	JOKK	Okayama
880	0.5	JOPK	Shizuoka	1110	10	JOTK	Matsue
840	0.5	JOIP	Oita	1200	0.5	JODP	Onomichi
620	0.5	JOMG	Miyazaki	§) 1200	0.5	JOUQ	Hagi
980	10	JOHG	Kagoshima	*) 930	10	JOGK	**Kimamoto**
*) 890	10	JOHK	**Sendai**	610	10	JOLK	Fukuoka
650	10	JOQG	Morioka	540	0.5	JOSK	Kokura
660	0.3	JOCP	Koriyama	660	0.5	JOAG	Nagasaki
680	0.5	JOTG	Aomori	780	0.5	JOSP	Saga
700	0.5	JOJG	Yamogata	§) 1340	0.05	JOJS	Shinjo
840	0.1	JOFP	Fukushima	§) 1360	0.05	JOHQ	Taira
§) 920	0.5	JOTQ	Hachinohe	§) 1360	0.05	JOHT	Wakamatsu
§) 1360	0.05	JOUT	Odate	960	0.5	JOVK	Hakodate
§) 1360	0.05	JOUS	Yokote	990	10	JOKP	Kitami
*) 570	10	JOIK	**Sapporo**	1320	0.5	JOIU	Muroran
620	0.5	JOCG	Asahikawa	*) 700	0.5	JOZK	**Matsuyama**
780	0.5	JOOG	Obihiro	920	0.5	JOXK	Tokushima
840	0.1	JOPG	Kushiro	1150	0.5	JORK	Kochi

+ 35 low power stations less 0.1 kw.
*) Central Broadcasting Station. – §) Rebroadcasting stations.
N.: 20.00 21.00, 22.00, 23.00, 24.00, 01.00, *02.00, 03.00, 04.00, *05.00, 06.00, 07.00, 08.00, 10.00, 12.00, 13.00, 14.00, (*exc. Sun.).
Weather-Reports: 20.00, 21.00, 00.05, 02.50, 07.05, 09.55, 14.05.
Time Sign.: Every hour on the hour.

SECOND NETWORK: 21.00–14.30 in **Japanese**

kc/s	kW	Call	Location	kc/s	kW	Call	Location
*) 690	50	JOAB	**Tokyo**	1300	0.5	JOMC	Miyazaki
1030	10	JOQB	Nigata	1380	0.5	JOSB	Kokura
1040	0.5	JOKC	Kofu	1410	10	JOHC	Kagoshima
1080	0.5	JONB	Nagano	1440	0.5	JOAC	Nagasaki
1440	0.5	JOSC	Matsumoto	1480	0.5	JOSD	Saga
*) 830	50	JOBB	**Osaka**	*) 1090	10	JOHB	**Sendai**
1500	0.5	JOOB	Kyoto	770	10	JOQC	Morioka
*) 910	10	JOCB	**Nagoya**	§) 1300	0.5	JOTZ	Hachinoke
§) 1040	0.5	JOCZ	Takayama	1300	0.3	JORC	Hirosaki
1040	0.5	JODC	Hamamatsu	1380	0.5	JOJD	Tsuruoka
1080	0.5	JOPB	Shizuoka	1380	0.5	JOJC	Yamagata
1370	10	JOJB	Kanazawa	1470	0.5	JOUB	Akita
1510	0.5	JOFC	Fukui	1480	0.5	JOCD	Koriyama
1510	0.5	JOIC	Toyama	1500	0.1	JOFD	Fukushima
*) 1050	10	JOFB	**Hiroshima**	1520	0.1	JOTC	Aomori
1300	0.5	JOUC	Hofu	*) 750	10	JOIB	**Sapporo**
1330	10	JOTB	Matsue	1040	0.5	JOCC	Asahikawa
1380	0.5	JODD	Onomichi	1080	0.5	JOOC	Obihiro
1500	0.5	JOLC	Tottori	1290	10	JOKD	Kitami
1520	0.5	JOKB	Okayama	1380	0.1	JOPC	Kushiro
§) 1520	0.5	JOUZ	**Hagi**	1440	0.5	JOVB	Hakodate
*) 1350	10	JOGB	**Kumamoto**	1510	0.5	JOIT	Muroran
870	10	JOLB	Fukuoka	*) 1470	0.5	JOZB	**Matsuyama**
1040	0.5	JOID	Oita	1430	0.5	JORB	Kochi

+ 17 low power stations less 0.1 kw.
*) Central Broadcasting Station. – §) Rebroadcasting Station.
Language lessons: English. Mo.–Fri.: 21.00–21.15; W. 09.05–09.15. – **German:** Mo.–Fri.: 21.15–21.30; Tues., Thurs: 22.00–22.15. – **French:** Mo.–Fri.: 21.45–22.00; Mo., Wed.: 21.00–22.15. – **Chinese:** Fri., Sat., Sun. 22.00–22.15.

ANNOUNCEMENTS: Call sign announced in Japanese at the end of each programme.
DOMESTIC RELAYS (on shortwave)
Relay First Network: 20.00–10.00 on JKH 7257.5 kc/s.
Relay Second Network:
21.00–23.15 } on JKI 4910 kc/s 23.25–07.45 – JKI-2 9655 kc/s
07.55–10.00 } 21.00–10.00 – JKJ 7285 –
For Japanese in the Far East:
03.00–04.00 on JOA6 15135 kc/s
10.00–13.00 – JKI4 11800 –

FUTURE PLANS: 1st Network: New st. 2. Increase of power: 3 st. **2nd Network:** New st.: 8. Increase of power: 2 st. – After April 1956 1' network: 1st.-2' network increase of power 1st.

OVERSEAS SERVICE 50/100 kW

kc/s	m	Call	kc/s	m	Call	kc/s	m	Call
6069	49.43	JOA	11705	25.63	JOA4	17685	16.87	JOZ4
6080	49.34	JOB	11725	25.58	JOB6	17795	16.86	JOY4
7180	41.78	JOB2	11780	25.47	JOB4	17825	16.83	JOX4
7242	41.42	JOA2	15135	19.82	JOA6	17845	16.81	JOW4
9675	31.01	JOB3	15225	19.70	JOA5			
9695	30.94	JOA3	15235	19.69	JOB5			

O. I. R.'s
Documentation and Information
BULLETIN
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Exporters and Importers of Cultural Commodities.
Ve Smeckách 30, Prague 2, Czechoslovakia.

Languages: A=Arabic. C=Cantonese (Chinese). E=English. F=French. Fu=Fukienese. (Chinese). G=German. P=Portuguese. S=Spanish. T=Thai. I=Indonesian. J=Japanese. K=Kuoyu (Chinese). H=Hindi, U=Urdu.

Br.cast Time	Direction	Metre bands Eqx.	Wi.	Su.	Language
00.30–01.00	E.N.Am. II	19–25	19–25	19–25	E., J.
03.30–04.30	W.N.Am.	25–31	31–49	19–25	E., J.
05.30–06.30	Hawaii	25–31	25–49	19–25	E., J.
06.45–07.45	Eu.	16–19	16–19	16–19	G., F., I., J.
08.00–09.00	Au., N.Z.	16–19	16–19	16–19	E., J.
09.15–10.15	S.Am.	19–25	25–31	31–25	S., P., J.
10.30–12.30	N.Central/China	25–31	31–41	25–31	E., K., Fu., C.,J.
12.45–13.45	Philipp., In.	25–31	31–41	19–25	E., I., J.
14.00–15.00	S.China	25–31	31–41	19–25	Fu., C., J.
15.00–16.00	In., Thailand, Bu.	25–31	31–41	19–25	E., F., T., J.
16.15–17.15	I., Pakistan	25–31	31–41	19–25	H., U., E., J.
17.30–18.30	N.E.	25–31	31–41	25–31	E., F., A., J.
23.00–23.30	E.N.Am. I	19–25	19–25	19–25	E.

NEWS:
English: 00.30, 03.30, 05.30, 07.20, 08.00, 08.45, 12.20, 12.45, 15.35, 16.35, 18.05, 23.00. **Japanese:** 00.50, 04.00, 06.00, 07.40, 08.50, 13.40, 14.55, 15.55, 17.10, 18.25. **French:** 06.45, 17.45. **German:** 06.55, 07.05. **Italian:** (Sun. only) 07.05. **Spanish:** 09.15. **Portuguese:** 09.30. **Arabic:** 17.30. **Indonesia:** 13.15. **Cantonese:** 14.30. **Fukienese:** 11.10, 14.00. **Kuoyu:** 10.30, 11.30. **Thai:** 15.20. **Hindi:** 16.15.

ANNOUNCEMENTS: **English:** "This is Radio Japan, broadcasting to..." (Target area). **French:** "Ici Radio Japan,..." (Target area). **German:** "Hier ist Tokyo, der japanische Rundfunk..." (Target area). **Spanish:** "Aqui Radio Japon...". **Portuguese:** "Estao ouvindo a Radio Japao...". **Indonesian:** "Inilah Radio Djepang...".

VERIFICATION by QSL-card or letter. No return postage required.

PUBLICATIONS: Yearly: NHK Year Book. Quarterly: NHK Technical Research. Weekly: NHK program journal.

VOICE OF UNITED NATIONS COMMAND (V.U.N.C.)

ADDRESS: Headquarters U.S. Armed Forces, Psychological Warfare Seckion, Tokyo.
STATIONS:
VUNC Seoul 560 kc/s 535.7 m 2.5 kW 18.00–22.00; **Pusan** 4780 kc/s 62.96 m 2.5 kW; **JKK Nazaki** 6015 kc/s 49.88 m 20 kW 13.30–21.00; **JBD Nazaki** 9505 kc/s 31.56 m 10 kW 11.00–16.00; **JBD2 Yamata** 9560 kc/s 31.38 m 10 kW 11.00–18.00;
From 14.35–15.05 on NHK stations 690, 830, 870, 1030, 1050, 1330.
From 15.05–16.35 on NHK stations 690, 830 kc/s.

PRIVATE STATIONS (Comm.)

NATIONAL ASSOCIATION OF BROADCASTERS IN JAPAN (Nippon Minkan Hoso Renmei)).

ADDRESS: Nishi-ginza Chuo-ku, Tokyo.
Cable: Keubashiz Mimporen.
LEADING PERSONALITY: President Tadashi Adachi.

STATIONS: 1 kW and more. (+ 6 lowe power st.)

Call	kc/s	m	kW	Name
JOCR	560	536	3	Kobe Broadcasting Co., Kobe. 21.00–14.30.
JOGF	600	500	1	Radio Oita Broadcasting Co., Oita
JOJR	720	417	1	Shikoku Broadcasting Co., Tokushima
JOTR	720	417	1	R. Tohoku Broadcasting Co., Akita
JOLR	740	405	1	Kita Nippon Broadcasting Co., Toyama
JOMR	760	395	1	Hokuriku Broadcasting Co., Kanazawa
JOCF	760	395	3	R. Minami-Nippon Broadc. Co., Kagoshima
JOPR	860	349	1	Fukui Broadcasting Co., Fukui
JOZF	940	319	1	R. Kochi Broadcasting Co., Kochi
JODR	940	319	1	Iwate Broadcasting Co., Morioka
JOAR	1070	280	10	Chubu Nippon Broadcasting Co., Nagoya. 21.00–14.15.
JOBR	1100	273	3	Kyoto Broadcasting Co., Kyoto
JOBF	1100	263	1	R. Kumamoto Broadcasting Co., Kumamoto
JOGR	1120	268	1	R. Aomori Broadcasting Co., Aomori
JOAF	1120	268	1	Nankai Broadcasting Co., Matsuyama
JOQR	1130	265	50	Nippon Cultural Broadc. Association, Tokyo
JOEF	1140	263	1	Yamagata Broadcasting Co., Yamagata
JOHR	1190	252	10	Hokkaido Broadcasting Co., Sapporo. 20.20–14.45
JOER	1240	242	1	R. Chugoku Broadcasting Co., Hiroshima
JOIR	1250	240	10	Tohoku Broadcasting Co., Sendai
JOSR	1260	238	1	Shin-etsu Broadcasting Co., Nagano
JOUR	1260	238	1	R. Nagasaki Broadcasting Co., Nagasaki
JOYR	1280	234	1	Sanyo Broadcasting Co., Okayama
JOFR	1290	232	10	R. Kyushu Broadcasting Co., Fukuoka. 20.30–15.20
JOVR	1400	214	1	Shizuoka Broadcasting Co., Shizuoka
JODR	1420	211	1	R. Niigata Broadcasting Co., Niigata
JOIF	1420	211	1	Kyushu Asahi Broadcasting Co., Kurume
JOJF	1490	201	1	R. Yamanashi Broadcasting Co., Kofu
JONF	1490	201	1	R. Migazaki Broadc. Co., Migazaki

ASAHI BROADCASTING COMPANY.

ADDRESS: Nakanoshima, Osaka.
LEADING PERSONALITIES: Pres.: M. Jijima. Man. Dir. Tsunejiro Hira. Dir. Prgr.: R. Tanaka. Sales Dir.: T. Tateishi. Dir. Tec.: K. Kusama.
HOME SERVICE in Japanese:
JONR. 1010 kc/s 297 m 10 kW 20.20–15.30.
N.: Every 50 minutes exc. 12.50, 14.50. – **Weatherreports:** D. 02.45, 07.45. – **Time Signals:** 523 cycle tone every hour on the hour. – **National Music:** Mo. 07.00–07.30. **ANNOUNCEMENT:** "ABC Asahi Hoso, JONR". – **PUBLICATION:** Monthly "Hoso Asahi".

RADIO TOKYO Inc. Comm.

ADDRESS: Yuraku-cho, Chiyoda-ku, Tokyo. **Cable:** Jokrtokyo. – **LEADING PERSONALITIES:** Pres.: T. Adachi. Dir. Gen.: M. Shikakura. Dir. Prgr.: J. Imamichi. Dir. Press and Inform. J. Mitsuda. Dir. Tec.: K. Endo. **PUBLICATION:** R. Tokyo News.
HOME SERVICE in Japanese:
950 kc/s 316 m 50 kW – 20.00–16.00. 4 low power FMst.
ANNOUNCEMENT in Japanese: "This is Radio Tokyo JOKR". – **VERIFICATION** by QSL-card. Return postage not required.

NEW JAPAN BROADCASTING COMP. LTD. (Comm.)

ADDRESS: Hankyu Bldg., Kita-ku, Osaka. **Cable:** Radio NJB.
LEADING PERSONALITIES: Man. Dir.: Shinzo Takahashi. Prgr.: Man.: Ryuzi Kawaguchi. Sales Man.: Tohru Seki. Dir. Tec.: Hiroo Sunaga. Pres.: Michisuke Sugi. Ass. Man. Dir.: M. Goto and K. Okita. Mgr. Tokyo Office: H. Ikeda.
HOME SERVICE in Japanese:
JOOR 1210 kc/s 248 m 10 kW 20.30–15.30
N.: Every hour on the hour exc. 10.00, 11.00, 12.00. – **Weatherrep.:** After news – **Time Signals:** Every hour on the hour. – **Japanese Music:** Tues. 06.45–07.00, Wed. 07.10–07.40. – **Language Lessons in French:** Fri. 07.10–07.40. – **Mailbag:** D. exc. Sat., Sun.: 07.05–07.10.
VERIFICATION by QSL-card. Return postage not required. Listeners reports wanted.
FUTURE PLANS: Increase of power to 50 kW. Relay stations.

NIPPON BROADCASTING SYSTEM, Inc.

ADDRESS: 7,1-chrome Yurakucho, Chiyodaku, Tokyo.
Cable: "NBS INC". – **LEADING PERSONALITIES:** Chairman of the Board: H. Inagaki. Pres.: K. Uemura. Man. Dir.: N. Shikana. Dir. of Adm.: U. Suzuki. Dir. of Prgr.: T. Takahashi. Dir. Tec.: S. Hase.
STATION: 1310 kc/s 229 m 50 kW.
HOME SERVICE in Japanese: 20.00–17.00. **N.:** 20.30, 21.30, 22.30, 00.30, 02.30, 03.30, 06.30, 07.30, 13.30, 14.30, 15.30. – **Time Signals:** Every hour on the hour. – **Weatherrep.:** 21.40, 03.30, 13.30, 14.30, 15.30. – **"English by Radio":** 20.00–20.30. **Prgr. Preview:** 21.25, 08.25.
ANNOUNCEMENT: "Nippon Hoso desu". – **VERIFICATION** by QSL-card. Return postage not required.

THE NIHON SHORT-WAVE BROADCASTING COMPANY (Pr.-Comm.) Japanese Short Wave Broadcasting Co.

ADDRESS: c/o International Radio Centre, 13 Shinsaka, Machi, Akasaka, Tokyo.
LEADING PERSONALITIES: Pres.: Toshio Fukushima. DX-Editor: Y. Kabayashi.
HOME SERVICE in Japanese and English:

JOZ	3925 kc/s	76.43 m	5 kW	21.30–14.00	Japanese
JOZ2	6055 –	49.56 –	5 –	21.30–14.00	Japanese
				10.50–11.00	English

DX Prgr. in Japanese: Sun. 12.50–13.00

ALLIED STATIONS

BRITCOM BROADCASTING STATION (Military)

ADDRESS: British Army Post Office 5, Japan. **Cable:** "Britcom Broadcasting, Japan".
LEADING PERSONALITY: Station Commander, Capt. Colin Hann.
STATIONS:
1450 kc/s 206.9 m 0.5 kW Britcom Broadcasting Station
6105 – 49.14 – 1 – Britcom Broadcasting Station
1290 – 232.5 – 0.5 – Crown Radio
DAILY PROGRAMMES in English (on all frequencies):
D.: 21.30–15.00.
N. from "R. Australia": 21.45–21.55, 22.45–22.55, 03.00–03.10, 04.00–04.10(exc. Sat.), 09.00–09.10. – **N. from BBC:** 11.00–11.10, 13.00–13.10. – **Home N. from Britain:** 13.10–13.15. – **Canadian N. & Sports-**

cast: 09.45–10.00. – **Breakfast Session:** 21.55–22.25, 22.30–22.45(W.). – **"The Forces Choice":** 03.30–04.00(W.). – **"Hospital Session":** 06.30–07.30(W.). – **"Masterworks of Music":** 13.15–14.50 (Sun.).

ANNOUNCEMENTS: a) "This is Britcom Broadcasting Station". b) "This is Crown Radio".

VERIFICATION by QSL-card. Return postage not required.

FAR EAST NETWORK (USA AFRS – Military)

The network serves the members of the United States and United Nations Forces serving in the Far East.

ADDRESS: Far East Network, 8213th Army Unit APO 613 c/o PM. S. Francisco, Calif. U.S.A.

LEADING PERSONALITIES: Dir.: Major Edward J. Albany. Dir. Tec.: R. H. Phillips. Dir. of Prgr.: John F. Buey.

HOME SERVICE in English: 21.00–15.00 (on 810 kc/s to 18.00).
Medium Waves:

	kc/s	kW		kc/s	kW		kc/s	kW
Tokyo	810	10	Sasebo*	1540	0.25	Kokura*	1570	0.25
Nagoya	1270	10	Misawa*	1550	0.1	Chickamauga	1570	0.25*
Sendai	1450	10	Niigata	1550	0.25	Wood*	1580	0.25
Hachinohe	1530	0.25	Kyushu	1550	0.25	Miho	1580	0.1
Kobe*	1530	1	Younghans*	1560	0.1	Kumamoto*	1550	0.25
Kokura*	1530	0.25	Nara*	1560	1	Crawford*	1590	0.25
Otsu*	1540	1	Hokkaido	1570	0.25	Iwakuni	1590	1

*) relay station.
Short Waves (relay Tokyo):
3800 kc/s 78.95 m 0.25 kW 21.00–15.00
6160 – 48.70 – 10 – 10.00–15.00
11750 – 25.53 – 10 – 21.00–09.45
15257 – 19.66 – 0.25 – 21.00–15.00
News: 21.30, 22.00, 22.55 (W), 01.00, 03.30, 06.00, 09.00, 12.00, 14.00. – **Time-Signals:** Every hour on the hour. – **Weatherreports:** Following each newscast. – **Religious:** Sat. 23.30–24.00, Sun. 22.30–22.45, 23.00–23.30. – **Request Prgr.:** Mo.–Fri. 13.00–14.00. – **Mailbag:** Mo.–Fri. 08.45–09.00.

ANNOUNCEMENT: "FEN Far East Network".

INTERVAL-SIGNAL: 1000 cycle tone every hour on the hour.

VERIFICATION: All listeners reports answered by QSL-card. No postage required.

KASHMIR

RADIO KASHMIR

HOME SERVICE

SRINAGAR A. 1490 kc/s 201.3 m 0.25 kW. **In English, Kashmiri & Urdu:** 02.00–04.00, 07.30–08.00, 12.30–17.30. **N. in English:** 02.30, 15.30.
SRINAGAR B: (relay Srinagar A. exc. 14.30–15.00)

kc/s	m	kW		kc/s	m	kW	
3277	91.55	1	12.30–17.30	4860	61.73	1	02.00–04.00
6110	49.10	1	07.30–08.00				

JAMMU: 989 kc/s 303.3 m 025. kW **in English, Dogri, Urdu, Hindi, & Punjabi:** 01.30–03.30(Sun. 04.30), 13.00–17.30. **N. in English:** 02.30, 15.30.

REPUBLIC OF KOREA (SOUTH). s.

SEOUL BROADCASTING SERVICE (Govt.)

ADDRESS: Office of Public Information, Chongdong Seodaemoon-koo, Seoul.

LEADING PERSONALITIES: Dir.: O. Y. Lee. Dir. Tec.: Ki Syun Hahn.
HOME SERVICE in Korean (exc. where indicated)

Seoul (Key Station) HLKA: 20.30–24.00, 03.00–05.00, 08.30–15.30 970 kc/s 309 m 100 kW – 2510 kc 119.5 m 10 kW – 7935 kc 37.81 m 1 kW
Local Stations:

		kc/s	kW			kc/s	kW
HLKG	Taegu	710	10	HLKI	Taejon	880	10
HLBK	Pusan	800	5				

+ 9 low power stations (less 1 kW) mostly relaying Seoul.

In Korean: Religious: Sun. 21.45–22.15. – **Weatherrep.:** 23.00–23.15, 13.15–13.30. – **Time-Sig.:** Each hour on the hour. – **N.:** 21.00, 03.45, 09.30, 12.30. – **Commentary:** 11.45–12.00. – **Sport:** 10.45–11.00. – **Other programmes:** Ministry of National Defense Hours; VOA relay; UNO-progr., relay from New York; UNO Command program13.30–15.00; relay from Tokyo (see Japan).
In English: Language-Lesson (Korean English): W: 21.45–22.00, 13.00–13.15.
Voice of Free Korea in English: D.: 10.30–10.45 (exc. Sun., Sat.).
Voice of Free China in Chinese: Mo., Fri. 15.00–15.15.

ANNOUNCEMENT: In Korean and English each 30 minutes (name of station).

INTERVAL-SIGNAL: Sign on and sign off: Korean National Anthem. – **Voice of Free Korea:** "Arirang" (Korean Folksong). – **Voice of Free China:** "Revolution of Youth".
VERIFICATION by letter. Every question about Korean Broadcasting will be answered.
FUTURE PLANS: New powerful s.w. station in Seoul.

CHRISTIAN BROADCASTING STATION – HLKY (Religious – Noncommercial).
ADDRESS: 91 Chongno-2ka, Chongno-ku, Seoul. LEADING PERSONALITIES: Pres.: Rev. Otto De Camp. Dir. of Progr.: Jin Ju Whang. Dir. of Administration: Jae bok Kim. Chief Engineer: Kyu Sub Jung.
HOME SERVICE in Korean and English:
HLKY 560 kc/s 535.7 m 10 kW 21.30–23.30(Sun. 01.30), 09.30–14.30
F.M. 104 mc/s 0.25 –
Korean: 21.30–23.30, 09.30–14.30. **English:** Sat. 23.30–Sun. 01.30 & Sun. 13.00–13.30.
ANNOUNCEMENTS: English: "HLKY, The Christian Broadcasting Station, Seoul, Korea". Korean: "Ki tokkyo bang song kuk, seoul korea, HLKY" VERIFICATION by QSL-card. Listeners report requested.

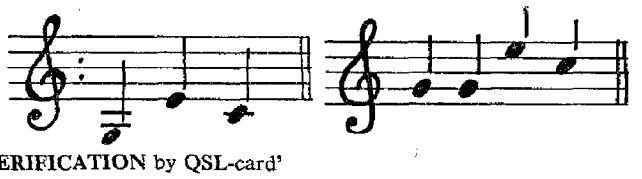
ARMED FORCES KOREAN NETWORK (US Military)
ADDRESS: Headquarters, AFKN, 8214th Army Unit, APO 301, San Francisco, California, USA.
STATIONS: Medium Waves:

kc/s	m	kW	Call	Address	Location
1060	283.0	0.25	"Comet"	APO 970	Osan
1120	267.9	1	"Nomad"	APO 358	Majon-Ni
1150	261.0	5	"Vagabond	APO 72	Seoul
1250	240.0	1	"Homesteader"	APO 59	Pusan
1320	227.3	1	"Troubadour"	APO 8	Kwandae-Ri
1380	217.4	0.25	"Mercury"	APO 64	Tong Dory
1400	214.3	1	"Gypsy"	APO 264	Sachang-Ni
1440	208.3	1	"Rampler"	APO 20	Uijongbu
1460	205.5	0.25	"Meteor"	Box 15, FPO	Kunsan
1510	198.7	1	"Kilroy"	APO 234	Taegu

Short Wave: "Vagabond" 6895 kc/s 43.52 m 0.25 kW. **D. Prgr.:** English: 21.30–17.30.
ANNOUNCEMENT: "This is the AFKN, Armed Forces Korean Network" VERIFICATION by letter.

MACAU (Portuguese China)

RADIO VILA VERDE (Prg. – Comm.)
ADDRESS: Emissora Vila Verde, Rua Francisco Xavier Pereira, Macau. Cable: Vila-Macau.
LEADING PERSONALITIES: Owner: Dr. Pedro José Lobo. Dir.: Pedro Hydman Lobo.
HOME SERVICE: CR9XM 1200 kc/s 250 m 0.25 kW. **Portuguese:** 05.00–06.30. **Chinese & Portuguese:** 12.00–14.00.
FOREIGN SERVICE: CR9XL 1005 kc/s 298.5 m 3 kW. **Chinese:** 23.00–13.00. **Portuguese & English:** 13.00–16.00.
ANNOUNCEMENTS: **Home Service:** Portuguese: "Dagni Emissora Vila Verde Macau, estaçao CR9XM". **Foreign Service: English:** "You are listening to Radio Vila Verde-Macao". **Portuguese:** "Dagni Emissora Vila Verde Maçau, estaçao CR9XL".
INTERVAL SIGNAL: Nacional Internacional



VERIFICATION by QSL-card'

MALAYA

BRITISH FAR EASTERN BROADCASTING SERVICE:
See Great Britain
RADIO MALAYA
ADDRESS: Department of Broadcasting, P. O. Box No. 3002, Singapore. Cable: Broadcast, Singapore. Department of Broadcasting, P. O. Box 233, Kuala-Lumpur.
LEADING PERSONALITIES: Director: H. W. Jackson.
HOME SERVICE:

BLUE NETWORK
English-Malay

	kc/s	m	kW
Singapore	630	476	10
Penang	820	366	2
Kuala-Lumpur	875	343	10
	6025	49.80	5
Singapore	4820	62.24	5

RED NETWORK
Malay-Indian-Chinese

	kc/s	m	kW
Singapore	790	380	10
Penang	660	455	2
Kuala-Lumpur	695	432	10
	6025	49.80	5
Singapore	6135	48.90	7.5

Malacca (one network only): 1010 kc/s 297 m 0.25 kW.
GREEN NETWORK: Chinese:
Singapore 1370 kc/s 228 m 10 kW Singapore 4780 62.76 5

English: Mo. Thurs.: 23.45–01.00, 05.30–06.30, 09.30–15.30. Fri.: 23.45–01.00, 01.30–04.00, 05.30–06.30, 09.30–15.30. Sat.: 23.45–01.30, 05.30–16.00. Sun. 23.45–04.30, 05.30–15.30.
Malay: W.: 23.00–23.45, 01.00–01.30 exc. Sat., 04.30–(Fri. 04.00)–05.30, 07.30–08.30 (Sat. only), 12.00(Mo. 11.30)–14.30.
Chinese: Mo.-Fri.: 23.40–02.30, 05.15–06.30, 09.30–15.30. Sat.: 23.40–02.30, 05.15–15.30. Sun. 23.40–15.30.
Indian: W.: 23.00–23.40, 04.30–15.15, 09.00(Sat. 08.30)–12.00. Sun.: 23.00–23.40, 04.30–05.15, 09.30–12.00.
ANNOUNCEMENTS: In English, Malay, Chinese, Indian: "This is the (Blue, Red or Green) network".
INTERVAL-SIGNAL: C-C-A-G on a Hawaiian Guitar.

VERIFICATION by QSL-card.

FORCES BROADCASTING SERVICE (British Military):
ADDRESS: GHQ FARELF, c/o G.P.O. Singapore–D. Prgr. in Kiswahili, Chinyanja, Fijian, Gurkhali & Dyak.
5010 kc/s 59.88 m 7.5 kW 12.00–14.00 (Fri. 14.15).

NEPAL

RADIO NEPAL (Govt.) **ADDRESS:** Kathmandu. (Via India).

LEADING PERSONALITIES: Dir. D. Raj. Superintending Eng.: K. B. Khatry. Dir. News: P. M. Singh. Dir. Prgr.: J. Shum.

HOME SERVICE: in Nepali, Newari, Hindi & English.
1500 kc/s 200.0 m 0.07 kW 12.20–13.50
7040*) – 42.61 – 0.4 – 03.20–04.50, 07.50–09.20
*) to be changed to 7100 kc/s.
N. in Newari: 03.35–03.40. – **N. in Nepali:** 03.40–03.50, 08.20–08.30, 12.50–13.00. – **N. in English:** 04.35–04.40, 13.00–13.05. – **N. in Hindi:** 04.40–04.50, 09.10–09.20. – **Request Prgr.:** Sat., Sun. 07.50–08.20, 08.30–09.10 (Sat. for listeners in Nepal & Sun. for listeners outside Nepal). **Time Signal:** 03.20.

ANNOUNCEMENTS: English: "This is Radio Nepal". Nepali: "Yo Radio Nepal Ho".

VERIFICATION by letter. **Address:** Superintending Engineer. Return postage required. **FUTURE PLANS:** m.w. 0.25 kW; s.w. 5 kW 1956.

PAKISTAN

RADIO PAKISTAN (Govt.)

ADDRESS: Directorate General, Radio Pakistan, 71 Garden Road, Karachi 3. – **Cable:** "Pakbrocast", Karachi.

LEADING PERSONALITIES: Directorate-General: Dir. Gen.: Z. A. Bokhari. Dir. Tec.: Riaz Ahmad. Deputy Dir. Gen. (Prgr.): Rashid Ahmed. Deputy Dir. Gen. (Adm.): A. Salman. Deputy Dir. Tec.: Bashir Ahmed. Dir. Prgr. Planning: M. Iqbal. Officer in Special Duty: K. G. Ali. Adm. Officer: K. A. Mukhtar. **Stations:** Regional Directors: Karachi: G. K. Farid. Lahore: M. Nizami. Rawalpindi: A. Nasri. Peshawar: S. Z. Husain. Dacca: A. Qutb. Hyderabad: H. Naseem.

STATIONS:
Medium Waves:

	kc/s	m	kW		kc/s	m	kW
Peshawar	790	380	10	Lahore I	1090	275	5
Karachi I	825	364	10	Rawalpindi	1150	261	10
Chittagong	870	345	1	Dacca I	1170	256	5
Hyderabad	1010	297	1	Rajshahi	1340	224	1

Short Waves: Karachi APK
Karachi II/III = 50 kW; Karachi IV/V = 10 kW.

kc/s	m	kc/s	m	kc/s	m	kc/s	m
2420	124.0	7010	42.80	9737	30.81	15255	19.67
3335	89.96	7096.6	42.27	9755	30.75	15270	19.65
3395	88.37	7110	42.19	11570	25.93	15335	19.56
3915	76.63	7200	41.67	11580	25.91	15620	19.21
3955	75.85	7225	41.52	11650	25.75	17710	16.94
4807	62.41	7263	41.31	11674	25.70	17715	16.93
4895	61.29	7270	41.27	11725	25.58	17750	16.90
4910	61.10	9484	31.63	11770	25.49	17770	16.88
4935	60.79	9495	31.60	11810	25.40	17835	16.52
5980	50.17	9518	31.52	11845	25.33	21570	13.91
5990	50.08	9545	31.43	11885	25.24	21580	13.90
6035	49.71	9614	31.20	11914	25.18	21590	13.90
6075	49.38	9630	31.15	15135	19.83	21630	13.87
6220	48.23	9645	31.10	15160	19.79	21690	13.83
6235	48.12	9705	30.91	15205	19.73		

Dacca: APD 7.5 kW (Home Service):

kc/s	m	kc/s	m	kc/s	m	kc/s	m
2350	127.7	6090	49.26	7225	41.51	11725	25.58
3325	90.23	6112	49.06	7623	39.29	11885	25.24
3955	75.85	6120	49.02	7655	39.19	11890	25.23
3965	75.66	7085	42.34	7667.5	39.13	15270	19.65
4807	62.41	7140	42.02	9614	31.20	15335	19.56
5035	59.58	7150	41.96	9645	31.10	17835	16.82

Lahore: APL 1 kW (Home Service):

kc/s	m	kc/s	m	kc/s	m	kc/s	m
2400	125.0	4785	62.70	7270	41.27	11840	25.34
3335	89.96	6030	49.75	7284	41.19		
3395	88.37	6075	49.38	9645	31.10		
3915	76.63	6138	48.88	11800	25.42		

All frequencies subject to seasonal changes.

HOME SERVICES

MEDIUM WAVE PROGRAMMES:
Karachi: 825 kc/s: **In Arabic, English, Urdu, Sindhi:**
W.: 01.30–03.00, 06.30–09.00. 12.00–17.30 Sun.: 01.30–09.00, 12.00–17.30.
Lahore: 1090 kc/s: **In Arabic, English, Urdu, Punjabi.**
W.: 01.30–03.00, 06.30–08.30, 12.00–17.30. Sun.: 01.30–05.00, 06.30–13.30, 12.00–17.30.
Peshawar: 790 kc/s: **In Arabic, English, Urdu, Pushto.**
W.: 01.30–03.00, 07.00–08.30, 11.30–17.00. Sun. 01.30–05.00, 07.00–08.30, 11.30–17.00.
Rawalpindi: 1150 kc/s: **In Arabic, English, Urdu, Pothohari.**
W.: 01.30–03.00, 07.00–08.30, 11.30–17.00. Sun. 01.30–05.00, 07.00–08.30, 11.30–17.00.
Dacca: 1170 kc/s: **In Arabic, English, Urdu, Bengali.**
W.: 01.00–03.00, 06.00–07.30, 11.00–16.30. Sun.: 01.00–03.30, 06.00–07.30, 11.00–16.30. (Third transmission is relayed by Rajshali & Chittagong).
Abbreviations: (K = Karachi; L = Lahore; P = Peshawar; R = Rawalpindi; D = Dacca. H = Hyderabad).

News: English: 02.30–02.45 KLPRD, 06.30–06.40 KD, 08.00–08.10 KLPR, 12.00–12.10 KHLRD, 14.45–15.00 KHLPRD. – **Urdu:** 02.45–03.00 KLPRD, 08.10–08.20 KLPR, 12.10–12.30 KHLPR, 15.00–15.15 KHLPRD. – **Bengali:** 01.45–02.00 KD, 06.40–06.50 KD, 13.45–14.00 KD. – **Pushto:** 01.30–01.40 P, 03.00–03.10 KP, 07.50–08.00 KP, 12.20–12.30 KP. – **Sindhi:** 12.30–12.40 KH.

Weatherrep.: English: 06.00–06.05, 12.10–12.15 D.

Time sign.: K.: 02.00, 08.00, 12.00, 14.00, 17.00 K (m.w. & s.w.).

Religious Programmes: Arabic & Urdu: 02.00–02.30 KLPR (Holy Quran). **Arabic, Urdu, Bengali** 01.00–01.15 D (Holy Quran). – **Arabic, Pushto:** 12.30–12.35 P (Holy Quran). – **Hindi, Urdu:** 03.15–03.30 (Tues) K (Bhagwat) Geeta. – **Hindi, Bengali:** 02.50–03.00 (Thurs) D (Bhagwat Geeta). – **Bengali:** 02.50–03.00 (Wed. forthnightly) D (Tripitaka). – **English, Bengali:** 02.50–03.00 (Last Sun. of each month) D The Bible).

National Music is broadcast daily from each station of "R. Pakistan" on the chunks other than those reserved for fixed-point items, spoken-word items and News.

Lessons in Urdu: 02.40 Mo., Wed. D.

Request Programmes: Urdu: K: 07.00–08.00(Sun.), 16.00–16.30 (Wed.). L.: 07.00–08.00(Sun.). 15.45–16.15 (Tues., Thurs.). P.: 07.00–07.30(Sun.), 16.30–17.00(Wed.). R.: 07.00–08.00(Sun.), 16.00–16.30(Wed.). **Urdu & Bengali D.:** 16.00–16.30(Sun.).

Mailbag: Urdu: K. 06.15–06.30 (Sun.), L.: 13.45–14.00 (Thurs.). P.: 15.15–15.30(Thurs.). R.: 15.16–15.30. **Bengali:** D.: 13.15–13.30(Wed.).

SHORTWAVE PROGRAMMES:

KARACHI TO WEST PAKISTAN: Arabic, English, Urdu, Sindhi, Pushto, Kashmiri, Baluchi.

	kc/s	News
01.30–03.00	4807/6220	02.00 E, 02.15 U, 02.50 Pa
07.00–09.00	9645	07.50 Pa, 08.00 E, 08.10 U
12.00–13.30	7010	12.00 E, 12.10 U, 12.20 Pa, 12.30 Ka
14.00–15.15	4807/6220	14.45 E, 15.00 U

KARACHI TO EAST PAKISTAN: Bengali, English, Urdu, Pushto.

01.45–03.00	11885	01.45 Be, 02.00 E, 02.15 U, 02.50 Pa
06.30–06.50	15335/17750	06.30 E, 06.40 Be
07.00–09.00	17750	07.50 Pa, 08.00 E, 08.10 U
12.00–12.20	17750	12.00 E, 12.10 U
13.45–14.00	4807/6220	13.45 Be,
14.00–15.15	9495	14.45 E, 15.00 U

ZONAL SERVICES: LAHORE: Arabic, English, Urdu, Punjabi: 01.30–03.00 3915 kc/s, 07.00–08.30 6075 kc/s, 11.30–13.30 6030 kc/s, 13.45–17.00 3395 kc/s.

DACCA: Arabic, English, Urdu & Bengali.
01.00–03.00 3955 kc/s, 06.00–07.30 & 11.00–13.00 7085 kc/s, 13.15–16.30 3965 kc/s.

DACCA TO WEST PAKISTAN: Urdu: 03.45–04.00 in 19 m.b.

ANNOUNCEMENT: The name of the station (Radio Pakistan, Karachi, Lahore, Peshawar, Rawalpindi, Dacca) and the frequency of the particular transmission are announced. **English:** "This is Radio Pakistan". **Urdu:** "Yeh Radio Pakistan he".

EXTERNAL SERVICES

	Languages	Service	kc/s
00.45–01.15	English/Urdu	SEA	11885/15255
04.00–04.45	Gujerati	E & S. Af	15335/17750
05.00–05.15	English (GOS)	FE	15335/17750
09.15–10.30	Urdu	SAs	11845/17750
11.00–11.45	Burmese	Bu	17750/21590
12.45–13.30	English/Urdu	In	17750
15.30–16.30	Afghan/Persian	Afg/Ir	4807/6235/7010
16.45–17.30	Persian	Ir	4807/6235/7010
17.40–18.00	English (GOS)		7010/9737
18.00–19.00	Arabic	ME	7010/9737
19.15–20.00	Turkish	Tu	7010/9705
20.00–20.45	English	UK	7010/9705

NEWS: English: 00.15–00.30, 17.40–18.00; **Gujarati:** 03.50–04.00; **Burmese:** 11.05–11.15; **Afghan/Persian:** 15.35–15.45; **Persian:** 16.50–17.00; **Arabic:** 18.05–18.15.

REQUEST PROGRAMMES: Arabic: 18.00–19.00 (Sun., Thurs); **Burmese:** 11.00–11.45 (Sun., Thurs); **Gujerati (& Urdu):** 04.00–04.45 (Sun., Wed.); **Persian:** 16.45–17.30 (Mo., Thurs.).

ANNOUNCEMENT: English: "This is Radio Pakistan".

INTERVAL SIGNAL: A signature tune is played during interval signals.

VERIFICATION by QSL-card. Return postage not necessary.

FUTURE PLANS: Zonal transmitters at Lahore, Peshawar, Karachi. East West Link i. e. Dacca & Karachi. Full fledged stations at Hyderabad, Multan, Quetta, Bahawalpur. Satellite stations at five places in East Pakistan.

PUBLICATION: «Pakistan calling« in English, Urdu, Bengali, Arabic, Persian, Burmese.

SARAWAK

SARAWAK BROADCASTING SERVICE (Govt.)

Cable: Broadcast.
ADDRESS: Publicity Office, Sarawak Broadcasting Service, Kuching.
LEADING PERSONALITIES: Head of Broadcasting: P. Ratcliffe. Dir. Tec. J. R. Sandison. Dir. Prgr. J. Kingsley.
HOME SERVICE in English, Iban, Chinese, Malay: 04.30–05.30(Sat., Sun.), 09.00–14.45. **Kuching:** 850 kc/s 335 m 5 kW 5052 kc/s 59.39 m 5 kW. **English:** 04.30–05.30(Sat., Sun), 10.45–11.15, 13.00–14.00. **N.:** 13.00 (BBC). – **Weatherrep.:** 13.10. – **Malay:** 09.00–09.30, 12.15–13.00. – **Iban:** 11.15–12.15. – **Chinese:** 09.45–10.45, 14.00–14.45.
ANNOUNCEMENTS: English: "This is Radio Sarawak".
VERIFICATION by QSL-card or letter.

TAIWAN (Formosa)

All stations in Taiwan carry the same prgr. at 12.00–12.30(Sun. 12.00–13.00).

BROADCASTING CORPORATION OF CHINA

(Semi-Governmental belonging to the Chinese Kuomintang Party)
ADDRESS: 53 Section 3, Jen Ai Road, or Taipei New Park, Taipei.
Cable: "BCC Taipei".

LEADING PERSONALITIES: Pres.: Liang Han-chiao. Man. Dir.: James Wei. Deputy Man. Dir.: Shelley Lowe.
Stations: (Taiwan Broadcasting Station and Voice of Free China, Taipei).

STATIONS: Taiwan Broadcasting Station and Voice of Free China Taipei:

SHORT WAVES				MEDIUM WAVES			
Call Sign	kc/s	m	kW	Call Sign	kc/s	m	kW
BED 29	3220	93.18	3.5	BED 22	660	454	20
BED 33	4770	62.89	0.5	BED 2	750	400	125
BED 24	5010	59.88	0.5	BED 28	840	357	0.5
BED 29	5980	50.17	3.5	BED 27	860	349	1
BED 7	7130	42.07	20	BED 25	890	337	1
BED 35	7198	41.68	0.5	BED 23	960	313	1
BED 36	9525	31.50	0.5	BED 24	1000	300	1
BED 37	11800	25.42	0.5	BED 9	1040	289	20
BED 4	11920	25.17	50	BED 26	1070	280	1
BED 38	15105	19.86	0.5	BED 32	1190	252	1
BED 3	15235	19.69	20				

HOME SERVICE:
660, 5980 kc/s in **Chinese:** 22.20–02.00
1040, 5980 kc/s in **Chinese:** 03.00–07.00, 09.30–16.00.
660 kc/s: 09.30–16.00.
N.: Mandarin (Kuo-yu): 23.30–23.40, 01.00–01.05, 03.00–03.05, 05.00–05.10, 06.30–06.35, 10.00–10.05, 11.00–11.10, 12.00–12.10, 13.00–13.15, 14.00–14.05, 15.30–15.40. – **Amoy:** 00.30–00.40, 01.30–01.35, 04.00–04.05, 06.00–06.10, 10.00–10.05, 12.00–12.10, 14.00–14.05, 15.30–15.40. **Hakka:** 11.00–11.10. – **Chinese Music:** 00.20–00.30, 05.10–05.20. – **Chinese Opera:** 04.05–04.30, 11.10–11.30, 15.00–15.30. – **Religious Prgr.:** Sun. 11.00–12.00 (English), 10.05–10.20 (Kuo-yu), Mon. 13.30–14.00 (English). **Time Sign.:** 00.00, 04.00, 12.00, 13.00. – **Weatherreport:** 00 40, 03.35, 06.00, 13.00.

FOREIGN SERVICE:
To America (W. Coast): 05.00–07.00 on 11800, 11920 kc/s. **N. in English:** 05.05–05.20, 06.31–06.50. – **Commentary in English:** 05.20–05.30, 06.50–07.00. – **N. in Kuo-yu:** 05.45–05.55. – **N. in Cantonese:** 06.10–06.20. – **Commentary in Cantonese:** 06.20–06.30.
To Europe: 07.30–08.55 on 15235, 11920 kc/s. **N. and Commentary in English:** 07.35–08.05. – **N. and Commentary in French:** 08.10–08.35. – **N. in Kuo-yu:** 08.40–08.55.
To Japan, Korea: 09.50–10.40 on 11920 kc/s. **N. and Feature in Japanese:** 09.55–10.20. – **N. in Korean:** 10.30–10.40.
To South-Sea Islands: 10.40–15.00 on 11920 kc/s. **N. Feature: Hakka** 11.00–11.30. – **Chouchow:** 11.30–12.00. – **Amoy:** 12.00–12.30. – **Cantonese:** 12.30–13.00. – **Vietnamese:** 13.10–13.25. – **N. Dictationspeed in Kuo-yu to America and South-Sea Islands:** 14.05–15.00 on 7130 kc/s.

ANNOUNCEMENT: For each foreign broadcast: "This is the Voice of Free China from the radio station of B.C.C. operating on 11920 and 11800 kc/s in the 25 m.b. This program for the benefit of our English-speaking friends in the U.S. of America can be heard every day from 04.00–07.00 GMT (in European Service from 08.30–10.00 GMT).

VERIFICATION by QSL-card. Return postage not required.

AIR FORCE BROADCASTING STATION BEC32

ADDRESS: Chungcheng Road, Taipei.

LEADING PERSONALITY: Chief of the Station: Lo Chun-tsai.

STATIONS: BEC32, Taipei: 22.30–24.00, 03.55–07.00, 09.00–16.00
980 kc/s 306.0 m 1 kW. – 9775 kc/s 30.68 m 3 kW
6106 kc/s 49.14 – 3 –

NEWS: Mandarin: 23.00, 04.20, 10.20, 15.05. – **Taiwan Dialect:** 05.50.
INTERVAL-SIGNAL: Air Force Song.

POLICE BROADCASTING STATION (Govt. Police-Information, Educational)

ADDRESS: Police Broadcasting Station of Taiwan, Tientsin Road, Taipei.

LEADING PERSONALITIES: Pres.: S. C. Chen. Vice Presidents: C. Y. Tuan, M. R. Shiau.

HOME SERVICE in Chinese: BEC38 0.5 kW:
940 kc/s 319.1 m – 5960 kc/s 50.34 m
22.55–01.10, 04.00–05.45, 11.00–17.03.
N.: 00.10, 05.10, 10.30.
National Music: 04.40–05.00, 11.40–12.00, 13.30–13.40. – **Language Lessons: English:** 11.00–11.30. – **Weatherrep.:** 01.00, 04.30.

VOICE OF RIGHTEOUSNESS (BEC36) AND CHENG-SHENG BROADCASTING STATION (BEV 34)

ADDRESS: Shih-lin, Taipei.

LEADING PERSONALITY: Director: S. H. Shia.

STATIONS: 1) "Voice of Righteousness". – 2) "Chengsheng Br. St. **BEC36:** 1270 kc/s 236.2 m 0.5 kW 1). – 7300 kc/s 41.10 m 3.5 kW 1). – **BEV34:** 820 kc/s 365.0 m 0.5 kW 2).

DAILY PROGRAMMES in Mandarin, Cantonese & English to Taiwan and Chinese Mainland:

BEC 36: 22.00–01.00, 04.00–05.45, 11.00–17.00. **N. in Mandarin:** 23.00, 12.10. **N. at Dictation Speed:** 16.05–17.00. **English:** 00.30–01.00 (Bach to the Bible), 04.00–04.45, 11.00–11.30 (lesson). **BEV 34:** 23.00–15.30. **N. in Mandarin:** 23.50, 03.30, 07.00, 15.00. **English by Radio:** 23.05–23.35.

ANNOUNCEMENT: BEC36: "The Voice of Righteousness from Taipei". – BEC34: "Cheng-Sheng Radio Station".

VERIFICATION by letter.

MILITARY BROADCASTING STATIONS:

ADDRESS of ADMINISTRATION: Military Broadcasting Corps, Ministry of National Defence, Taipei.

STATIONS:

	kc/s	m	kW		kc/s	m	kW
BEC 22	1100	273.0	3 –	BEC 24	1250	240.0	1
	5950	73.0	3.5 –		9950	30.15	3
	11745	25.54	3.5 –	BEC 26	1330	225.6	1.5
BEC 23	1200	250.0	1 –		10200	29.40	1.5
				BEC 25	1350	223.0	1

BEC 22: ADDRESS: No. 3 Section I, Hsinyi Road, Taipei.

LEADING PERSONALITY: Chief of Broadc. Service: Hsu Fu-hua.

DAILY PROGRAMMES: 22.00–24.00, 03.50–06.30, 09.30–16.30. English lesson: 10.20–10.50(exc. Wed.) on all stations.

BEC23: ADDRESS: Behind the Taichung Municipal Govt., Taichung. **DAILY PROGRAMMES:** 22.00–24.00, 03.50–06.30, 09.30–15.30.

BEC24: ADDRESS: No. 126 Takangpu, Kaohsiung. **DAILY PROGRAMMES:** 22.00–24.00, 04.50–06.30, 09.30–16.30.

BEC26: ADDRESS: Inside the Naval Headquarters, Tsoying. **DAILY PROGRAMMES** as BEC24.

BEC25: ADDRESS: Hualien, Taiwan. **D. PRGR.:** as BEC23.

Other Stations: 8 low power m. w. stations.

ALLIED FORCES STATION – BEC 27 800/7215 kc/s

ADDRESS: Military Assistance Advisary Group Station, c/o MAAG, APO 63, c/o PM San Fransisco, California, USA. 800 kc/s 375 m 7215 kc/s 41.58 m.

DAILY PROGRAMMES: 23.00–01.00, 03.00–14.00. N.: 10.00. Other prgr.: relay VOA or AFRS.

ANNOUNCEMENT: "This is your Allied Forces Station BEC27 800 on your dial broadcasting from downtown Taipeh, Taiwan".

THAILAND

THE THAI NATIONAL BROADCASTING STATION (Govt.)

ADDRESS: The Thai Broadcasting Station, Public Relations Department, Bangkok. **Cable:** "Radio Thailand".

LEADING PERSONALITIES: Dir. Gen., Major-General: M. L. Kharb Kunjara. Deputy Dir. Gen.: P. Hongsanan. Dir. Overseas Services: Mrs. Somchit Siddhichai. Dir. Spoken Word (English): Dr. Witt Siwasariyanon. Dir. Tec.: Leut. P. Yangprida R. N. Dir. Home Service: S. Srichumsin.

HOME SERVICE in Thai: D.: 00.00–01.00, 12.00–15.20.

	kc/s	m	kW		kc/s	m	kW
HSK	825	363.0	10	HSK5	6240	48.07	1
HSK6	7140	42.02	1	HSK7	11910	25.18	0.5
HSK8	15640	19.18	0.25	N.: 00.25, 13.00.			

FOREIGN SERVICE:
HSK9 11670 kc/s 25.71 m 50 kW.

General Overseas Service: 10.25–11.57. Progr. Pr., Music, N. in English (10.30).

Relay from Home Service: 13.00–14.00. Time Sig., Home News in Thai.

North American Service: 04.15–05.15. National Song, Progr. Preview, Music, N. in English (04.25).

ANNOUNCEMENTS: Opening and closing **Overseas Service:** "This is the Overseas Broadcasting Station of Thailand", in between: "This is Radio Thailand" or "This is HSK9 transmitting the ... of Radio Thailand".

INTERVAL-SIGNAL: Chimes.

VERIFICATION by QSL-card and letter. Return postage not required. Address reports to: The Overseas Broadcasting Division, Public Relations Dept., Bangkok, Thailand.

THAI ARMY RADIO, Bangkok
HS1JS 4875 kc/s 61.54 m 0.25 kW: In Thai: 11.30–12.00.

POST AND TELEGRAPH, Bangkok
990 kc/s 303 m
4755 – 63.1 –
7022 – 42.7 –
} Sun.: 01.00–05.30. D.: 08.30–13.30.

HOME GUARD RADIO, Bangkok
1100 kc/s 272 m – 6210 kc/s 48.3 m D.: 01.00–03.00 10.30–13.00.

VOLCANO ISLANDS

Armed Forces Radio Service (US military).
FEN Iwo-Jima 1500 kc/s 200 m 0.1 kW.

PACIFIC

AUSTRALIA

AUSTRALIAN BROADCASTING COMMISSION

ADDRESSES: Australian Broadcasting Commission, Head Office, 264 Pitt Street, Sydney Overseas Service, "Radio Australia", P.O. Box 780 G.P.O. Melbourne.

LEADING PERSONALITIES: Chairman: R. J. F. Boyer. Vice-Chairman: E. R. Dawes. Gen. Man.: C. J. A. Moses. Ass. Gen. Man.: A. N. Finlay. Controller of Progr.: Dr. K. L. Barry. Controller Administration: E. K. Sholl. Dir. Music: W. G. James. Dir. Talks: B. H. Molesworth. Dir Drama & Features: N. Hutchison. Dir. Tec.: L. D. Hadfield. Dir. of Programmes (Overseas): R. Wood.

THE NATIONAL BROADCASTING SERVICE
Medium Wave Service
*=Metropolitan; **=Regional.

AUSTRALIAN CAPITAL TERRITORY

Call	kc/s	kW	Name/Location	
2CY**	850	10	Canberra	20.00(Sun.20.30)–13.30(Sat.14.00)
2CN*	1540	2	Canberra	21.00–13.00(daily)
New South Wales				
2CR**	550	10	Central (Cumnock)	20.00(Sun.20.30)–13.30(Sat.14.00)
2FC*	610	10	Sydney	21.00–13.30(Sat.14.00)
2NU**	650	10	N. Tablelands (Manilla)	20.00(Sun.20.30)–13.30(Sat.14.00)
2CO**	670	10	Riverina (Corowa)	20.00(Sun.20.30)–13.30(Sat.14.00)
2KP**	680	10	Kempsey (Smithtown)	
2NR**	700	10	N. Rivers (Grafton)	20.00(Sun.20.30)–13.30(Sat.14.00)
2TR**	720	0.2	Manning River (Taree)	20.00(Sun.20.30)–13.30(Sat.14.00)
2BL*	740	10	Sydney	20.00(Sun.20.30)–13.00
2NB**	760	1	Broken Hill	20.30(Sun.21.00)–14.00(Sat.14.30)
2BA**	810	10	Bega	20..00(Sun.2030)–13.30(Sat.14.00)
2NA**	820	2	Hunter River No.2(Newcstl).	21.00–13.30(Sat.14.00)
2NC**	1230	2	Hunter River No.1(Newcstl.)	20.00(Sun.20.30)–13.00
2LG**	1570	0.2	Lithgow	20.00(Sun.20.30)–13.30(Sat.14.00)
Victoria				
3WV**	580	10	Western(Dooen)	20.00(Sun.20.30)–13.30(Sat.14.00)
3AR*	620	10	Melbourne	21.00–13.00(Sat.14.00)
3LO*	770	10	Melbourne	20..00(Sun.2030)–13.00
3GI**	830	7	Gippsland(Sale)	20.00(Sun.20.30)–13.30(Sat.14.00)
3WL**	1570	0.2	Warrnambool	20.00(Sun.20.30)–13.30(Sat.14.00)
Queensland				
4QL**	540	10	Longreach	20.00(Sun.20.30)–13.30(Sat.14.00)
4QR*	590	10	Brisbane	20.00(Sun.20.30)–13.00
4QN**	630	7	North (Townsville)	20.00(Sun.20.30)–13.30(Sat.14.00)
4AT**	680	0.5	Atherton	20.00(Sun.20.30)–13.30(Sat.14.00)
4QA**	720	2	Mackay	20.00(Sun.20.30)–13.30(Sat.14.00)
4QS**	750	10	Darling Downs (Dalby)	20.00(Sun.20.30)–13.30(Sat.14.00)
4QG*	790	10	Brisbane	21.00–13.30(Sat.14.00)
4RK**	840	2	Rockhampton	20.00(Sun.20.30)–13.30(Sat.14.00)
4QB**	910	2	Wide Bay (Pialba)	20.00(Sun.20.30)–13.30(Sat.14.00)
4QY**	940	2	Cairns	20.00(Sun.20.30)–13.30(Sat.14.00)
4QM**	1570	0.2	Gympie	20.00(Sun.20.30)–13.30(Sat.14.00)
4SO**	1590	0.2	Southport	20.00(Sun.20.30)–13.30(Sat.14.00)
South Australia				
5CK**	640	10	North (Crystal Brook)	20.30(Sun.21.00)–14.00(Sat.14.30)
5CL*	730	5	Adelaide	21.30–14.00(Sat.14.30)
5AN*	890	2	Adelaide	20.30(Sun.21.00)–14.00(Sun.13.30)
5LN**	1530	0.2	Port Lincoln	20.30(Sun.21.00)–14.00(Sat.14.30)
5WM**	1580		Woomera Rocket Range.	
Western Australia				
6WA**	560	10	South West (Wagin)	22.00(Sun.22.30)–15.30(Sat.16.00)
6NM**	600	0.2	Northam	22.00(Sun.22.30)–15.30(Sat.16.00)
6WF*	690	5	Perth	23.00–15.30(Sat.16.00)
6GF**	720	2	Goldfields (Kalgoorlie)	22.00(Sun.22.30)–15.30(Sat.16.00)
6WN*	810	10	Perth	22.00(Sun.22.30)–15.00
6GN**	830	2	Geraldton	22.00(Sun.22.30)–15.30(Sat.16.00)

Australia

Tasmania

7QN**	540	0.2	Queenstown	20.00(Sun.20.30)–13.30(Sat.14.00)
7ZL*	600	2	Hobart	21.00–13.30(Sat.14.00)
7NT**	710	7	North (Kelso)	20.00(Sun.20.30)–13.30(Sat.14.00)
7ZR*	1160	0.5	Hobart	20.00(Sun.20.30)–13.00

Northern Territory

5DR**	1500	0.2	Darwin	20.30(Sun.21.00)–14.00(Sat.14.30)
5AL**	1530	0.05	Alice Springs	20.30(Sun.21.00)–14.00(Sat.14.30)

Papua 9PA 1250 kc/s 0.5 kW Port Moresby.
Mo.–Fri.: 20.45–23.30, 01.00–04.45, 06.00–12.45. Sat. 20.45–22.30, 02.00–13.00. Sun. 21.45–01.00, 02.00–04.00, 06.00–12.00.

FM SERVICE (Experimental)

Melbourne	FM	91.1 mc/s	2	kW	D. 01.00–12.30
Brisbane	FM	91.1	–	1	–	
Sydney	FM	92.1	–	2	–	D. 01.00–12.30
Adelaide	FM	97.3	–	3	–	D. 01.30–13.00

DOMESTIC SHORT WAVE SERVICE

ADDRESSES: (Australian Broadcasting Commission=ABC): **Sydney:** A.B.C. Box 487, G.P.O. **Melbourne:** A.B.C., G.P.O. **Brisbane:** A.B.C., Box 293 E, G.P.O. **Perth:** A.B.C., Box 190 D, G.P.O. **Port Moresby:** A.B.C., Port Moresby.

STATIONS: VLI (2 kW) Sydney; VLH, VLG (10 kW) & VLR (5 kW) = Melbourne; VLQ (10 kW) & VLM (10 kW) = Brisbane; VLW (2 kW) & VLX (10 kW) = Perth; VLT (2 kW) = Port Moresby.

Calll	kc/s	m	
VLI6	6090	49.26	20.00(Sun. 20.30)–13.30(Sat. 14.00)
VLH11	11880	25.25	20.00(Sun. 20.30)–23.15(Sat. 22.45)
VLH15	15230	19.70	23.30(Sat. 23.00)–08.15.
VLH9	9680	30.99	08.30–13.30(Sat. 14.00)
VLR6	6150	48.78	20.00(Sun. 20.30)–22.15(Sat. 22.30) 08.30–13.00.
VLR9	9680	30.99	22.30(Sat. 22.45)–08.30
VLQ9	9660	31.06	20.00(Sun. 20.30)–13.30(Sat. 14.00, Sun. 13.00)
VLM4	4920	60.98	20.00(Sun. 20.30)–13.30(Sat. 14.00)
VLW9	9610	31.22	22.00(Sun. 22.30)–02.15, 10.15–15.30(Sat. 16.00)
VLW11	11840	25.34	02.30–10.00
VLX4	4897.5	61.25	22.00(Sun. 22.30)–02.15, 10.15–15.30(Sat. 16.00)
VLX9	9610	31.22	02.30–10.00
VLT6	6130	48.94	Mo.–Fri.: 20.45–23.30, 01.00–04.45, 06.00–12.45. Sat.: 20.45–22.30, 02.00–13.00. Sun.: 21.45–01.00, 02.00–04.00, 06.00–12.00.

News: 20.45, 21.45(Sun. 22.45), 02.30, 03.30, 06.00 (BBC & Australian), 09.00, 11.00, 13.00 (BBC & Australian).

NOTE: Although times are GMT, Calendar days apply to the Eastern States of Australia only.

OVERSEAS SERVICE (R. AUSTRALIA)

STATIONS: VLA, VLB=100 kW; VLC=50 kW; VLG=10 kW
VLA, VLB, VLC=Shepparton. VLG=Lyndhurst.

kc/s	m	kc/s	m	kc/s	m
VLA7, VLB7, VLC7, VLG7		VLA11, VLB11, VLC11 VLG11		15210	19.72
7220	41.55	11710	25.62	15220	19.71
7240	41.44	11740	25.55	15230	19.70
7282	41.21	11760	25.51	15240	19.68
VLA9, VLB9		11770	25.49	15315	19.59
VLC9, VLG9		11810	25.40	15320	19.59
9500	31.58	11840	25.34	VLA17, VLB17, VLC17, VLG17	
9510	31.55	11850	25.32	17790	16.86
9520	31.51	11870	25.27	17800	16.85
9540	31.45	11880	25.25	17840	16.82
9560	31.38	11900	25.21	VLA21, VLB21, VLC21	
9580	31.32	VLA15, VLB15, VLC15, VLG15		21540	13.93
9615	31.20	15160	19.79	21600	13.89
9650	31.09	15200	19.74	21680	13.84
9680	30.99				

ENGLISH:

To S. and S.E.Asia

kc/s	kc/s	kc/s
22.29–23.30 15320	09.25–11.15 17800	03.25–04.15 21600
22.29–23.30 17790	11.29–17.30 7220	Sat. from 01.56
03.25–09.10 17790	09.59–13.59 15200	Sun. from 01.44
Fri., Sat. 22.29	13.59–15.00 15320	Sat. to 07.30
Sat./Sun. 09.10	16.29–17.30 15320	08.29–13.59 15210
23.29–05.45 17840	13.59–17.30 11900	20.59–23.30 15160
05.59–11.45 15315		

Japan, Korea, E.Asia, N. Pacific Isl.

To N. America	To British Isles and Europe*	Pacific Islands
12.00–13.45 9615(E)	07.44–08.15 9580	06.59–09.45 11760
03.25–04.30 15200(W)	07.44–08.5917790	20.00–22.15 17840**
Sat., Sun. from 03.00		04.29–08.15 9580
15.15–16.15 9615	**To Africa**	(not Sun.)
	04.44–05.45 17800	20.00–22.15 11760
		22.15–23.15 15210

*Frequencies used to S. and S. E. Asia 09.00–17.30 may also provide reception in Europe. ** Should also give good coverage in N. Am.

FRENCH

Europe	Indochina	New Caledonia
06.00–06.15**) 41m.b.	06.00–06.45 16 m.b.	07.30–08.30 25 m.b.
07.30–08.15*) 25m.b.		

Tahiti: 06.00–06.45 41 m.b. (4 period 31 m.b.)
*) Nov.–Feb. only. **) exc. Nov.–Feb.

INDONESIAN: 06.00–07.00. 19 m.b. – 10.00–11.00. 25.41 m.b. (throughout the year)

THAI: 12.15–13.15. 25 m.b. (throughout the year).

MANDARIN: 11.00–12.00. 41 m.b. to S. and S.E. Asia. – 11.00–12.00. 25 m.b. to Japan, Korea, N.E. Asia.

FIXED PROGRAMMES: English:

Periods: 1) March–April. 2) May–June–July–August. 3) September–October. 4) November–December–January–February.

NEWS: 03.00, 03.45, 04.00, 05.15, 06.00, 06.45 period 1–2–3, 08.30 period 4, 09.00, 09.25 (dictation), 09.45 (C.B.C. Forces N.), 11.00, 12.15. 12.30 (New Zealand Forces N.), 13.00, 14.30, 15.30, 17.00, 20.30, 21.25, 22.45.

WEATHERREP.: Official weather reports are not broadcast in the Overseas Service, however, the state of Melbourne weather is given at the start of all English language transmissions. – **TIME SIGN.:** Every hour from 20.00–17.00 inclusive.

COMMENTARY: (Behind the N.): Wed.: 04.00, 05.00, 06.30 period 1–2–3. 08.15 period 4, 11.30, 13.00, 14.15, 15.50. In addition a 4 minute news commentary is presented immediately after news Mo.–Fri.

REQUEST PROGR.: Music While You Work: Mo.–Fri. 05.30. – **As, You Like It:** Sat. 09.30, daily 16.15. **Listeners' Choice:** Sun. 11.15, daily 14.40. **My Song goes Round the World:** Sat.: 11.15, 12.25, 16.30. 21.15 Sun. 01.45, 03.30, 04.45, Mo. 06.15 periods 1–2–3, 08.00 (4).

RELIGIOUS: Daily Devotion: 24.00. – **Readings from the Bible:** Tues.–Sun. 22.10. – **In Quires and Places Where They Sing:** Sun.: 06.15 periods 1–2–3, 08.00 period 4, 11.45, 12.25, 15.40, Mo. 03.00, Community Hymn Singing: Sun. 08.30.

NATIONAL MUSIC: Australian Artists Perform: Mo. 12.01, Tues.: 03.15, 05.00, 06.15 period 1, 2 & 3, 08.00 period 4, Thurs.: 03.15, 04.32, 07.00, 12.45, Fri.: 03.15, 05.00, 12.01, 15.45. Sat. 07.00 periods 1, 2, 3, 08.00 period 4. – **Young Australia Recitals:** Mo.–Fri. 03.30, Sun.: 01.15, 03.30, 12.01, 16.30, 21.00, Wed.: 06.15 period 2, 07.45 periods 1 & 3.

MAILBAG: Pacific: Sat. 22.00, Sun.: 04.32, 07.30, 11.30, 14.02, 16.45. North American: Sun.: 03.30, 13.00. British Isles and European: 06.30 period 1–2–3. 08.15 period 4.

DX PROGRAMMES: Australian DX-ers Calling: Sun.:
04.00 15200 kc/s to N. Am (West)
05.30 17800 – to Africa
08.44 17790 – to U. K., Eu., S & S.E.Asia
13.30 9615 – to N. Am. (East)
16.15 7220/11900 kc/s to S. & S.E.Asia, Eu.

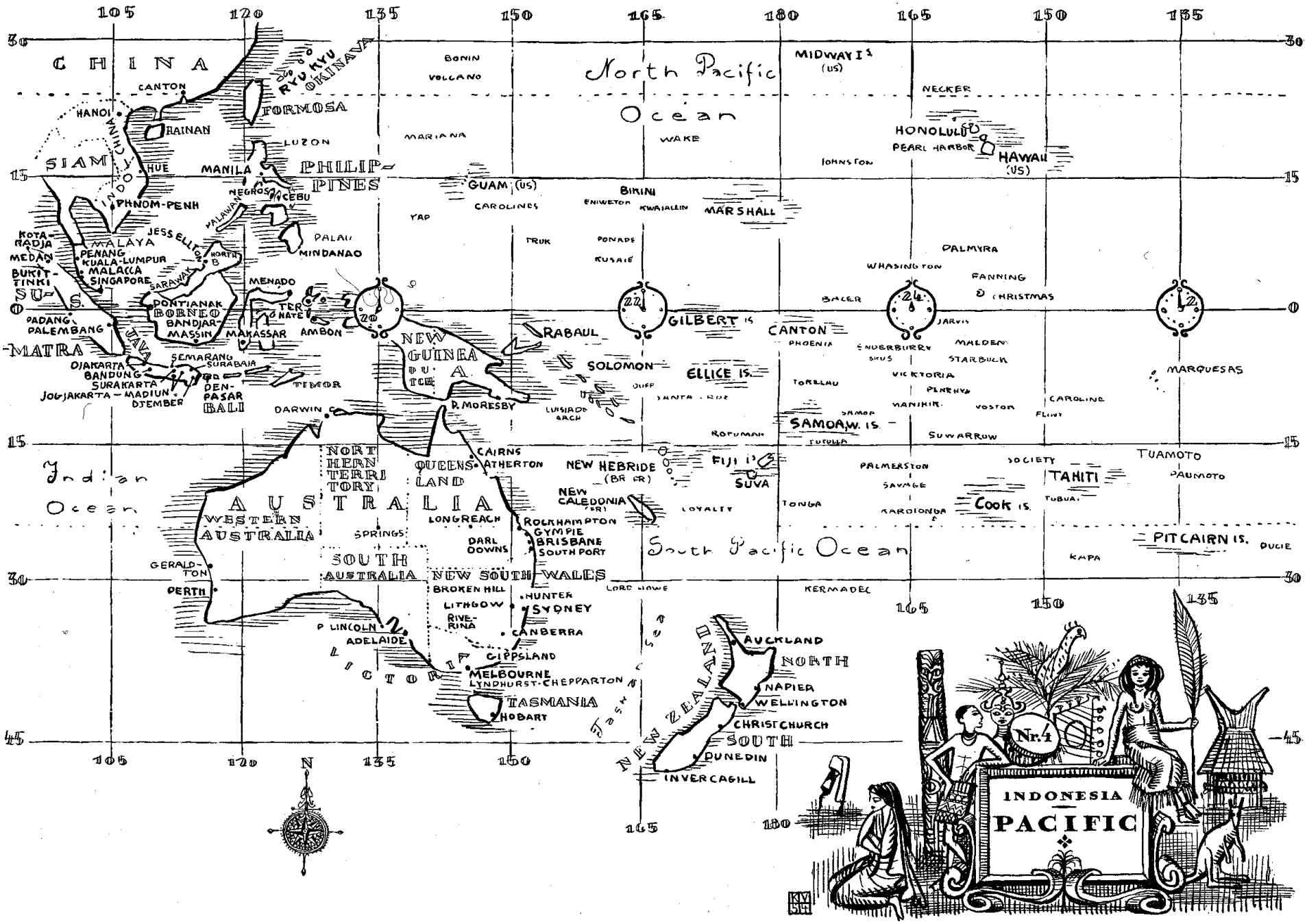
SPORT: Mo.-Thurs. 08.30–08.45, Fri., Sat. 08.30–08.59: Wed.: 06.10, 10.45, 13.32, 15.17, 20.45; Thurs. 04.00, 05.30; Fri.: 03.20, 04.00, 06.30 period 1–2–3, 08.15 period 4, 13.32, 16.00, 20.45; Sat.: 02.45–07.30, Mo. 07.00 period 1–2–3, 08.45 period 4. During Olympic Games specially prepared talks and interviews on the Olympic Games are included in Sporting Sessions.

BOURSE: Once each quarter in the talk **"Economic Review"** transmitted on Thurs. at: 06.50, 11.30, 12.02, 15.17, 20.48 and Fri. at 00.30.

PROGRAMME PREVIEW: A programme summary is given at the start of each daily transmission. A preview of tomorrow's programme is given 3 minutes before the close of each daily transmission.

FIXED PROGRAMMES in French, Indonesian, Thai and Mandarin: **French: N.:** 06.15, 07.45. Commentary: Wed. 06.30, 08.15. **Request:** Tues. 06.02., 0732. Fri. Sat. 07.55. – **Indonesian:** News: 10.30. Commentary: Thurs. 10.45. **Mailbag:** Sun. 10.42. Listeners Choise: Wed., Sat., Sun. 10.02. **Thai:** News: 12.15(daily). Mailbag: Sun. 12.45. – **Mandarin:** News: 11.00. Mailbag: Sun. 11.30.

ANNOUNCEMENTS: "This is Radio Australia transmitting the Overseas Service of the A.B.C.". – "You are tuned to Radio Australia the Overseas Service of the A.B.C.".



CHINA
North Pacific Ocean
South Pacific Ocean
Indian Ocean
CANTON
HANOI
HAINAN
FORMOSA
RYUKYU
OKINAWA
SIAM
HUE
MANILA
LUZON
PHILIPPINES
NEGROS
CEBU
PHNOM-PENH
MALAYA
PENANG
KUALA-LUMPUR
MALACCA
SINGAPORE
MEDAN
BUKIT-TINKI
SU-S.
PADANG
PALEMBANG
MATRA
JAVA
DJAKARTA
BANDUNG
SURAKARTA
JOGJAKARTA
MADIUN
DJEMBER
SEMARANG
SURABAJA
DEN-PASAR
BALI
TIMOR
MENADO
TERNATE
MAKASSAR
AMBON
PALAU
MINDANAO
PALAWAN
SARAWAK
BORNEO
PONTIANAK
BANDJAR-MASSIN
NEW GUINEA
DUTCH
P. MORESBY
RABAUL
SOLOMON
DARWIN
NORTHERN TERRITORY
QUEENSLAND
CAIRNS
ATHERTON
AUSTRALIA
WESTERN AUSTRALIA
SOUTH AUSTRALIA
NEW SOUTH WALES
LONGREACH
ROCKHAMPTON
GYMPIE
BRISBANE
SOUTH PORT
DARL DOWNS
SPRINGS
GERALDTON
PERTH
BROKEN HILL
LITHGOW
HUNTER
SYDNEY
RIVERINA
CANBERRA
P. LINCOLN
ADELAIDE
GIPPSLAND
MELBOURNE
LYNDHURST-CHEPPARTON
TASMANIA
HOBART
LICTORIA
NEW ZEALAND
AUCKLAND
NORTH
NAPIER
WELLINGTON
CHRISTCHURCH
SOUTH
DUNEDIN
INVERCAGILL
NEW HEBRIDE (BR FR)
NEW CALEDONIA (FR)
FIJI IS
SUVA
TONGA
LOYALTY
KERMADEC
LORD HOWE
GUAM (US)
CAROLINES
YAP
TRUK
PONAPE
KUSAIE
BIKINI
ENIWETOK
KWAJALEIN
MARSHALL
WAKE
MARIANA
BONIN
VOLCANO
MIDWAY IS (US)
NECKER
HONOLULU
PEARL HARBOR
HAWAII (US)
JOHNSTON
PALMYRA
WHASINGTON
FANNING
CHRISTMAS
BACER
GILBERT IS
CANTON
PHOENIX
ENDERBURRY
SKUS
MALDEN
STARBUCK
VICTORIA
PENRHYN
MANIHIKI
VOSTOK
CAROLINE
FLINT
MARQUESAS
SAMOA W. IS.
SUWARROW
TUTULLA
ROTUMAH
PALMERSTON
SAVAGE
KAROTONGA
SOCIETY
TAHITI
TUBUAI
TUAMOTO
PAUMOTO
COOK IS.
PITCAIRN IS.
DUCIE
KAPA
ELLICE IS.
TOKELAU
SANTA CRUZ
LUISIADE ARCH
105
120
135
150
165
180
165
150
135
30
15
0
15
30
45
N
Nr. 4
INDONESIA
PACIFIC

TUNING and INTERVAL SIGNAL: Music Box playing "Waltzing Matilda" for five minutes preceding transmissions. Programmes commence with Melbourne Post Office Clock chimes and the laugh of the Kookaburra. Indonesian programme opens with "Waltzing Matilda" played in march tempo. The Thai programme concludes with the Thai National Anthem.

VERIFICATION by QSL-card. A 20 page Programme Guide is published quarterly and issued free of charge.

PRIVATELY OWNED COMMERCIAL BROADC. STATIONS

Associated in a body called: **The Australian Federation of Commercial Broadcasting Stations**: Address: Wingello House, Angel Place, Sydney, N. S. W. – **The Australian Broadcasting Control Board** (Address: 497 Collins Str., Melbourne, C. 1.). is a Govt. Authority for the planning of the broadcasting services and ensuring that their tecnical operations and prgr. services are of adequate standard.

2CH is controlled by the New South Wales Council of Churches and 2SM by the Roman Catholic Church, and 5KA and 5AU by the Methodist Church.

D=Daylight Power. N=Night Power.

AUSTRALIAN CAPITAL TERRITORY

2CA	Canberra	1050	2

NEW SOUTH WALES*) (Sydney)

2CH	1170	5	– 2SM	1270	5
2GB	870	5	– 2UE	950	5
2KY	1020	5	– 2UW	1110	5

COUNTRY

2AD	Armidale	1130	2 D 1 N
2AY	Albury	1490	2
2BE	Bega	1480	1
2BH	Broken Hill	660	0.2
2BS	Bathurst	1500	2
2NX	Bolwarra	1360	2
2DU	Dubbo	1250	2
2GF	Grafton	1210	2 D 1 N
2GN	Goulburn	1380	2
2GZ	Orange	990	2
2HD	Newcastle	1140	2
2NM	Muswellbrook	1460	0.5
2KA	Katoomba	780	2 D 1 N
2KM	Kempsey	980	2 D 1 N
2KO	Newcastle	1410	2
2LF	Young	1340	2
2LM	Lismore	900	2 D 1 N
2LT	Lithgow	1370	0.5
2MG	Mudgee	1450	0.5
2MO	Gunnedah	1080	1
2MW	Murwillumb.	1440	2 D 1 N
2NZ	Inverell	1190	2
2PK	Parkes	1400	0.5
2QN	Deniliquin	1520	2
2RG	Griffith	1070	2 D 1 N
2TM	Tamworth	1300	2
2WG	Wagga	1150	2
2WL	Wollongong	1430	2
2XL	Cooma	920	1
2RE	Taree	1560	2 D 0.5N

VICTORIA*) (Melbourne)

3AK	1500	0.5	– 3KZ	1180	5
3AW	1280	5	– 3UZ	930	5
3DB	1030	5	– 3XY	1420	5

VICTORIA Country.

3BA	Ballarat	1320	1
3BO	Bendigo	960	1
3CS	Colac	1130	1
3CV	Maryborough	1440	1
3GL	Geelong	1350	1
3HA	Hamilton	1000	2
3LK	Lubeck	1090	2
3MA	Mildura	1470	2
3SH	Swan Hill	1330	2
3SR	Shepparton	1260	2
3TR	Sale	1240	2
3UL	Warragul	880	2 D 1 N
3YB	Warrnambool	1210	1
3NE	Wangaratta	1600	2 D 1 N

*) Metropolitan stations.

QUEENSLAND*) (Brisbane)

4BC	1120	2	– 4BK	1290	2
4BH	1390	2	– 4BQ	690	2D 1N

QUEENSLAND Country.

4AK	Oakey	1220	2
4AY	Ayr	960	2 D 1 N
4BU	Bundaberg	1330	2
4CA	Cairns	1010	1
4GR	Toowoomba	860	2
4GY	Gympie	1350	2 D 0.5N
4IP	Ipswich	1010	1
4LG	Longreach	1100	2
4MB	Maryborough	1160	2
4MK	Mackay	1380	2
4RO	Rockhampton	1000	2
4SB	Kingaroy	1060	2
4TO	Townsville	780	2 D 1 N
4VL	Charleville	920	1
4WK	Warwick	880	1
4ZR	Roma	1480	1

S. AUSTRALIA*) (Adelaide)

5AD	1310	2	– 5KA	1200	2
5DN	970	2	–		

S. AUSTRALIA Country.

5AU	Port Augusta	1400	0.5
5MU	Murr. Bridge	1460	0.5
5PL	Crystal Brook	1040	2
5RM	Renmark	800	2
5SE	M. Gambier	1370	0.5

W. AUSTRALIA*) (Perth)

6IX	1240	2	– 6PM	1130	2
6KY	1320	2	– 6PR	880	2

W. AUSTRALIA Country.

6AM	Northam	980	2
6CI	Collie	1340	2
6GE	Geraldton	1010	2
6KG	Kalgoorlie	1210	2
6MD	Merredin	1100	2
6NA	Narrogin	920	2
6TZ	Bunbury	960	2
6WB	Katanning	1070	2
6BY	Bridgetown	900	2

TASMANIA*) (Hobart)

7HO	860	2	– 7HT	1080	2

TASMANIA Country.

7AD	Devonport	900	0.5
7BU	Burnie	560	0.5
7EX	Launceston	1010	2
7LA	Launceston	1100	2
7QT	Queenstown	540	0.5
7SD	Scottsdale	1450	0.5

CANTON ISLAND (Condominium, Brit., U.S.A.)

CANTON BROADCASTING STATION

Operated for the US Civil Aeronautics and Pan American Airways for local entertainment. KIBS. 1248 kc/s 241 m 0.05 kW.

COOK ISLANDS (N. Z. Territory)

RADIO RAROTONGA (Govt.)

ADDRESS: Radio Department, Cook Island Adm., Rarotonga.
LEADING PERSONALITY: Dir. Tec.: D. C. Cunnold. Dir. Progr.: P. F. Henderson.
Home Service: ZL1ZA 5050 kc/s 52.41 m 0.35 kW.: Thurs. 04.30–05.00.

FIJI

FIJI BROADCASTING COMMISSION (Govt.)

ADDRESS: Broadcasting House. P.O.Box 334, Suva. Cable: "Broadcom".
LEADING PERSONALITIES: Chairman: R. L. Munro. Manager: K. G. Collins. Dir. Prgr.: G. H. King. Eng.: W. I. McMillan.
HOME SERVICE in English, Fijian, Hindustani:
Mo.–Fri. 18.30–10.30, Sat. 18.30–11.00, Sun. 20.00–10.00.
VRH 930 kc/s 322 m 2 kW VRH 840 kc/s 357 m 0.5 kW. – VRH4 3980 kc/s 75,38 m 2 kW d.
Main Fijian sessions: Tues. 07.00–09.00. Thurs. 08.00–09.00 on 930, 3980 kc/s – Hindustani: Mo. 08.00–09.00, Sun.: 06.00–09.00. Mo. Thurs., Sat.: 18.30–19.30 on 840, 3980 kc/s.
ANNOUNCEMENT: "This is the Fiji Broadcasting Commission".
VERIFICATION by QSL-card. Return postage required.
FUTURE PLANS: New 2 kW. m.w. st. at Lautoka linked with Suva by two VHF repeater stations about middle of 1956 and VRH3 2 kW.

GILBERT and ELLICE ISLANDS (British Colo.)

TARAWA RADIO (Govt.)

ADDRESS: Betio, Tarawa.
LEADING PERSONALITIES: Chief Wireless Officer: C. W. Adams. Adviser: K. Nicholson. (VSZ10) Information Officer: R. K. Matioa
HOME SERVICE in English Gilbertese and Ellice.
VTW 844 kc/s 355 m 0.05 kW Fri. 07.30–08.30*
VSZ10 6050 – 49.59 – 0.5 – Sun. 04.30–05.00**
*) English **) Gilbertese and Ellice.
ANNOUNCEMENT: Identification in English at open and close of prgr. on VSZ10. Announcement throughout prgr. in English on V.T.W. – VERIFICATION by letter. Postage required.

HAWAII (U S Territory)

VOICE OF AMERICA RADIO STATION IN HAWAII

ADDRESS: Voice of America, Honolulu Relay Base, P. O. Box 3740, Honolulu, T. H. or, Voice of America, Washington 25, D. C. ,U.S.A.
STATIONS: Short Wave: Honolulu 100 kW 09.00–15.30.
6195 kc/s. 48.43 m 9650 kc/s. 31.09 m 11790 kc/s 25.45 m
DAILY PROGRAMMES: Short Wave. See U.S.A.
ANNOUNCEMENT: "This is the Voice of America Radio Station in Honolulu".
VERIFICATION by QSL-card. No return postage required.

PRIVATE STATIONS, Commercial:

kc/s		kW	
550	KMVI	1	Mausi Publ. Co., Wasiluku, Maui. KGU –
590	KGMB	5	Hawaiian Br. System Honolulu
630	KPOA	5	R. Hawaii, Honolulu, MBS Network.
690	KULA	10	Pacific Frontier Br. Co., Honolulu
740	KGU	2.5	Advert. Publ. Co., Honolulu
860	KIKI	0.25	Kiki Ltd., Honolulu.
830	KILA	1	Island Br. Co., Hilo
920	KAHU	1	Rural Broadc. Co., Waipahu
970	KHBC	1	Hawaiian Br. Sy., Hilo
1110	KIPA	1	Big Island Br. Co., Hilo KGU
1150	KANI	1	Windward Br. Co., Kaneohe
1380	KHON	5	Aloha Broadc. Co., Honolulu.
1490	KTOH	0.25	Garden Isl. Publ. Co., Lihue

KAIM-FM 95.5 kc/s 1 kW. Christian Broadcasting Co.

RADIO STATION KMVI.:

ADDRESS: P.O.Box 374, Wai-luku, Maui. – LEADING PERSONALITIES: Fred J. Walter Cameron. Gen. Man.: E. J. Crane. St. Man.: R. E. Mawson.
DAILY PRGR. in English and Japanese: 15.00–09.15. – English: N.: 16.30, 17.00, 18.00, 22.00, 04.00, 05.00, 05.45, 08.00. – Time Signals: On the hour.
JAPANESE: D. 01.15–03.00. Sun.: 19.00–22.00, 05.00–06.30.
FILIPINO: D. 15.00–15.30. Sat. and Sun. 03.00–04.00. –

RADIO STATION KTOH

ADDRESS: Box 1748 Lihue Kauai, Hawaii. -
LEADING PERSONALITIES: Man.: M. Sebastian. Progr. Man.: R. Sasaki. Chief Eng.: K. Nose.
DAILY PROGR. in English: 15.30–08.00. News on the hour.

JOHNSTON ISLAND (U S Territory)

ARMED FORCES RADIO SERVICE (U.S. Air Force)
ADDRESS: WVTV 6488th Air Base, Squadron, APO105, S. Francisco
WVTV 1120 kc/s 268 m 0.01 kW: 17.00–11.00.

MARIANAS ISLANDS (U S Territory)

ULIGA (Majuro):
WSZO 1500 kc/s 200 m 0.15 kW: W. 22.00–01.00, Sun. 22.00–24.00.
RADIO GUAM (Pr. Comm.)
ADDRESS: P.O. Box 68, Agana, Guam, Marianas Islands. Cable: "Kuam".
LEADING PERSONALITIES: Pres.: Harry Engel. Man.: Richard Maguire. Dir. Adm.: Donald C. Brown. Dir. Tec.: Walter Gambell. Dir. Prgr.: Gary Fuller.
KUAM 610 kc/s 492 m 1 kW. English: 20.00–06.00, 07.30–14.00 (Sat., 15.00). (N.: W. 21.00, 22.00, 00.00, 01.00, 02.15, 03.15, 05.55, 08.00, 09.00, 12.00). – Tagolog (Philipine): 07.00–07.30. – Chamorro (Marianas Isl.): 06.00–07.00. – ANNOUNCEMENT: "KUAM Agana, Guam". VERIFICATION by letter. No postage required.

MARSHALL ISLANDS (U S Trust Territory)

ENIWETOK (AFRTS Military):
WXLE 1385 kc/s 217 m 0.25 kW: D. 18.00–15.00.
Address: APO 187 kc/s P.M. San Francisco, Calif. U.S.A.
KWAJALEIN (AFRTS-Navy):
WXLG 1220 kc/s 24.59 m 0.25 kW.: D. 18.00–15.00.
Address: AFRS Navy 824, Box 23, c/o Fleet Post Office, S. Francisco, Calif. U.S.A.

NEW CALEDONIA (French Territory)

RADIO NOUMEA (Govt.)
ADDRESS: "La Voix de la France dans le Pacifique", Service de l'Information, Noumea.
STATIONS: Noumea. 6035 kc/s 49.71 m 1 kW.
3355 kc/s 89.45 m 1 kW 6035 kc/s 49.71 m 1 kW.
HOME SERVICE in French: W: 19.00–20.00.00.00–02.00, 07.00–10.30. Sun.: 21.00–02.00, 07.00–10.30.
ANNOUNCEMENT: "Noumea, La Voix de la France dans le Pacifique". VERIFICATION by QSL-card.

NEW GUINEA (Netherl.)

RADIO OMROEP NIEUW GUINEA (Govt.)
ADDRESS: R.O.N.G. , P.O. Box 505, Biak.
HOME SERVICE in Dutch: 5045 kc/s 59.46 m 5 kW: D. 09.00–12.30. 7190 kc/s 41.72 m 5 kW: Mo.–Fri. 00.30–01.30. Sat.: 03.00–05.00. Sun. 23.30–04.30.
Request Prgr.: Mo., Wed., Fri.: 10.00–10.30 on 5045 kc/s. Time Signals: 09.00, 10.30, 10.30, 12.30 on 5045 kc/s.
ANNOUNCEMENT: "Hier Radio Omroep Nieuw-Guinea te Hollandia".
INTERVAL-SIGNAL: "Wij leven vrij, wij leven blij": sol do sol mi do mi sol sol sol. VERIFICATION by QSL-card. If possible return postage.

NEW GUINEA (Australian Territory)

R. Port Moresby (Papua): see Australian Broadcasting Commission

NEW ZEALAND

RADIO NEW ZEALAND (Govt.)
ADDRESS: The Director, R. New Zealand. P.O. Box 2396, Wellington. Cable: Natbroadcast.
LEADING PERSONALITIES: Dir. Gen.: Wm. Yates. Dir. Tec.: W. L. Harrison. St. Man.: A. L. Curry. Prgr. Officer: K. S. Avery.
HOME SERVICE in English:

		kc/s	m	kW	
Wellington	2YA	570	526	60	17.00–11.20
Wellington	2YC	660	455	60	05.00–11.00
Christchurch	3YA	690	434	10	18.00–11.20
Invercargill	4YZ	720	416	5	18.00–11.20
Auckland	1YA	760	395	10	18.00–11.20
Dunedin	4YA	780	384	10	18.00–11.20
Rotorua	1YZ	800	375	10	19.00–10.30
Napier	2YZ	860	349	5	19.00–10.30
Auckland	1YC	880	341	10	06.00–11.00
Dunedin	4YC	900	333	10	05.00–11.00
Greymouth	3YZ	920	326	10	19.00–10.30
Palmerston N	2ZA	940	319	2	19.00–10.30
Christchurch	3YC	960	312	10	05.00–11.00
Whangarei	1XN	970	309	2	19.00–10.30
Wellington	2ZB	980	306	10	18.00–12.00
Gisborne	2XG	1010	297	2	19.00–10.30
Dunedin	4XB	1040	288	10	18.00–12.00
Auckland	1ZB	1070	280	10	18.00–12.00
Christchurch	3ZB	1100	273	10	18.00–12.00
Wellington	2YD	1130	265	0.5	07.00–10.00
Timaru	3XC	1160	258	2	19.00–10.30
Gisborne	2XM	1180	254	0.09	21.15–10.00
Wanganui	2XA	1200	250	2	19.00–10.30
Auckland	1YD	1250	240	0.75	05.00–10.00
Hamilton	1XH	1310	229	2	19.00–10.30
Nelson	2XN	1340	224	2	19.00–10.30
New Plymouth	2XP	1370	219	2	19.00–10.30
Wellington	2YX	1400	214	1	07.30–10.30
Dunedin	4XD	1430	210	0.6	06.00–10.30

News: D.: 18.00, 19.00, 20.00 (BBC) 09.02. – Weatherrep.: English: 08.30, 19.15, 21.00, 00.30. – Religious Progr.: W. 22.10. Sun. 23.00. – Time Signals: 18.00, 19.00, 20.00, 23.00, 00.30, 07.03..
FOREIGN SERVICE: Radio New Zealand 7.5 kc/s.

	kc/s	m		kc/s	m		kc/s	m
ZL20	6020	49.83	ZL8	9620	31.19	ZL5	17770	16.88
ZL7	6080	49.34	ZL3	11780	25.47	ZL14	17820	16.84
ZL11	6130	48.94	ZL9	11810	25.40	ZL15	21480	13.97
ZL12	7220	41.55	ZL19	11830	25.36	ZL16	21580	13.90
ZL13	7290	41.15	ZL10	15220	19.71	ZL6	25800	11.63
ZL18	9520	31.51	ZL4	15280	19.63	ZL17	26000	11.54
ZL2	9540	31.45						

Two of the frequencies are used simultaneously, and as the programme service is intended primarily for Australia and the Pacific islands the present aerials are beamed in those two directions.
To Australia: 20.00–10.45. Mo to Fri; 20.00–11.20. Sat.; 20.00–10.00. Sun.
To Pacific Isl.: 1700-10.45 Mo. to Fri.: 17.00–11.20. Sat.: 17.00–10.00 Sun.
N. Zealand News: 08.30, 10.30. Religious: W. 22.10. Sun. 23.00. – "This Radio Age": 1st. Fri each month 09.20–09.50.
National Music: Thurs. 09.00. Sun. 07.30 (English, Maori).
DX-programmes: First Wed.. in each month 09.20. – Mailbag: Fri. 09.15. – Progr. Preview: D. 07.02. – Time-Sig.: D. 07.00.
ANNOUNCEMENT: "This is New Zealand Calling".
INTERVAL-SIGNAL: Call of the native bird – The Bell Bird. (At 8 second intervals).
VERIFICATION by QSL-card. Return pastage not required.
FUTURE PLANS: New aerial system under construction.
PUBLICATIONS: Weekly: The Listener. Quarterly: New Zealand's prgr. schedule (free on request).

NORFOLK ISLAND (Australian Territory)

NORFOLK ISLAND BROADCASTING SERVICE (Govt.)
ADDRESS: Dept. of Civil Aviation, Norfolk Island. 1500 kc/s 200 m.

PHILIPPINES

BACOLOD BROADCASTING CORPORATION (Priv. Com.)
ADDRESS: Lacson Street, Bacolod City, Negros Occidental.
LEADING PERSONALITIES: Pres.: Mario Lizares. Vice-Pres.: F. R. del Rosario. Executive Secretary and Man.: C. R. del Rosario.
HOME SERVICE: The Voice of Bacolod in Visayan Dialect, Tagalog and English:
DYBR 1120 kc/s 267.9 m 1 kW: 21.58–14.00.
N.: English: Mo. 22.45, D. 02.30, D. 04.00. Visayan: D. 10.45. – "America Calling the Philippines", D. 05.00–05.30.
ANNOUNCEMENT: English: "This is the Voice of Bacolod".
VERIFICATION by QSL-card or letter.

BOLINAO ELECTRONICS CORP. (Comm.).
ADDRESS: P.O. Box 1344, Manila.
DZAQ 630 kc/s 47.62 m 5 kW 21.00–15.00 English/Tagalog.

ALTO BROADCASTING SYSTEM (Pr. Comm.)
Owned and operated by Bolinao Electronics Corp.
ADDRESS: 5th Floor, Republic Super Market, Manila. –
LEADING PERSONALITY: Gen. Mgr.: M. Lindenberg.
HOME SERVICE: Manila: 21.00–16.00. –
DZBC 1000 kc/s 300 m 1 kW DZI2 9550 kc/s 31.41 m 0.3 kW
N. in English: 22.45–04.20, 09.45, 15.00.

THE REPUBLIC BROADCASTING SYSTEM (Comm.)
ADDRESS: Radio Station DZBB, 4th Floor, Calvo Building, Escolta, Manila. Cable: "Bobstew".
LEADING PERSONALITIES: Pres. and Gen. Man.: Robert L. Stewart. Traffic and in-charge of operations: George E. Viduya. Dir. Tec.: Martin Samia.
HOME SERVICE in English, Chinese, Tagalog.
DZB7 580 kc/s 517.2 m 10 kW: 21.00–18.00.
DDB3 3945 – 76.05 – 7.5 –
DZ14 6110 – 49.1 – 7.5 –
DZI5 11940 – 25.13 – 10 –
English: W.: 21.00–21.15, 22.00–22.15, 00.15–03.30, 05.30–06.30, 08.45–09.15, 12.30–13.00 (N.), 13.30–14.00 (N.), 14.30–18.00 (Tues., Thurs., Sat. 12.30–18.00). Sun.: 21.00–21.15, 21.30–21.45, 22.00–23.30, 03.30–04.00, 05.30–07.30, 09.30–10.00, 10.30–11.00, 13.10–18.00. – Chinese: W.: 04.00–05.30. Sun. 00.00–01.30.

ANNOUNCEMENT: English: "This is RBS... The Republic Broadcasting System". –
VERIFICATION by QSL-card. Return postage not required.

FAR EAST BROADCASTING COMPANY INC.
Non-Commercial Missionary Broadcasting Station.
ADDRESS: Box 2041, Manila P.I. Cable: "Febcom".
LEADING PERSONALITIES: Pres.: J. C. Broger. Vice-Pres.: R. H. Bowman. Executive Secr.: W. J. Roberts. Transmitter Supervisor: D. C. Smith. Studio Supervisor: R. Kellum. Progr. Supervisor: Miss I. Adolphson.
Stations: "The Call of the Orient".

Calll.	kc/s	m	kW	Calll.	kc/s	m	kW
DZAS	680	441.2	6	DZH7	9730	30.83	10
DZFE	1030	291.5	0.25	DZH9	11855	25.31	10
DZB2	3345	89.68	2	DZH8	15300	19.60	2
DZH6	6030	49.75	2	DZI6	17805	16.85	1.5

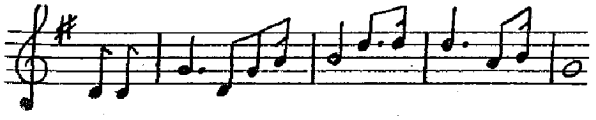
HOME SERVICE (Philippine Service) in Tagalog and English: W.: 21.00–06.00, 08.00–15.00 on 680, 3345, 6030 kc/s.
N.: Tagalog: 22.30. English: 00.00, 02.00, 04.00, 06.00, 08.05, 10.00, 14.00.
On 1030 kc/s: 10.00–14.00 (This station is entirely a highclass music station).

OVERSEAS SERVICE to Asian countries:
21.00–23.00 6030/9730/11855 kc/s; 23.00–23.30: as 21.00+15300 kc/s; 23.30–06.00 6030/9730/11855/15300/17805 kc/s; 06.00–06.45: as 23.30 exc. 6030 kc/s. 08.00–12.00 as 23.30; 12.00–12.30 6030/11855/15300 kc/s; 12.30–12.45 6030/9730 kc/s; 12.45–14.15 as 23.30; 14.15–15.00 9730/11855/15300/17805 kc/s; 15.00–17.00 on 9730/11855 kc/s.

Weekdays:

21.00 Music	05.30 Cantonese	12.00 Thai
21.30 Japanese	06.00 English N.	12.30 Cambodian
22.15 Vietnamese	06.15 Burmese	12.45 Vietnamese
22.35 Indonesian	06.30 Indian	13.00 Mandarin
23.30 English	08.00 English	13.30 Cantonese
24.00 Thai	09.00 Russian	14.00 English
00.30 English	09.30 Amoy	14.15 Tibetan
02.00 Cantonese	10.00 English	14.30 Indian
02.30 Mandarin	10.15 Indonesian	15.00 English
03.00 English	10.30 Music	15.30 Indian
03.30 Japanese	11.00 Japanese	16.00 Mandarin
04.00 Music	11.45 Lao*)	16.30 Russian
04.15 Vietnamese	Cambodian**)	
04.30 English		

*) Mo., Wed., Fri. **) Tues., Thurs., Sat.
ANNOUNCEMENT: "This is the Call of the Orient" or "This is the Far East Broadcasting Company, Manila". Station announcements in English are given every half-hour (Calll., kc/s and the time in the Philippines).
INTERVAL-SIGNAL: For Home and Foreign Sce.: On the hour only.



VERIFICATION by QSL-card.

MANILA BROADCASTING COMPANY (Pr. Comm.)
ADDRESS: 7th Floor, Insular Life Building, Manila.
LEADING PERSONALITIES: Pres.: F. Elizalde. Executive Vice-Pres.: W. J. Dunn. Sales Man.: I. Davis. Dir. Tec.: J. M. Palmer. Secretary for Engineering Dept.: Dolores D. Mendoza. Station Man.: H. D. Bowie Jr.
The following stations are owned by the Manila Broadcasting Company. These stations operate on the same schedule throughout the year. One hour each day is devoted to Chinese language broadcast. The remaining time is divided approximately fifty-fifty between English language and local Philippine dialects. The only exception to the above being that there is one fifteen-minute newscast in Spanish language. In the following listing all s.w. frequencies grouped with a broadcast frequency carry simultaneously the same progr. as the broadcast station.

THE VOICE OF THE PHILIPPINES: 21.00–15.00.
DZRH 650 kc/s 461.5 m 10 kW Manila
DZH2 9640 – 31.12 – 1 –

THE VOICE OF MANILA: 21.00–16.00.
DZMB 760 kc/s 394.7 m 1 kW Manila
DZH4 6000 – 50.00 – 1 –
DZI7 6080 – 49.34 – 0.25 – Manila
ANNOUNCEMENT: English: "This is MBC, the Manila Broadcasting Company followed by three chimes c, a and f.
VERIFICATION by QSL-card. Return postage required.

PHILIPPINE BROADCASTING CORPORATION (Comm.)
Operated by the Manila Broadcasting Company.
ADDRESS: Ramon Roces Building, 4th Floor, Manila.
LEADING PERSONALITY: Station Man.: Simoun O. Almario.
RADIO PHILIPPINES: 21.00–15.00 in English, Tagalog, Chinese.
DZPI 800 kc/s 375.0 m 10 kW DZH3 9500 kc/s 31.58 m 1 kW

CEBU BROADCASTING COMPANY (Comm.)
Operated by the Manila Broadcasting Company.
ADDRESS: Lim Bonfing Building, Cebu City.
LEADING PERSONALITIES: Station Man.: Roberto Garcia. Dir. Tec.: Miss Alicia Maglaya.
THE VOICE OF CEBU: Cebu-City: 21.00–15.00 in English/Visayan:
DYRC 600 kc/s 500.0 m 1 kW – DYH2 6140 kc/s 48.86 m 1 kW
CEBU CALLING: Cebu-City: 21.30–15.00 in English and Visayan.
DYBU 1260 kc/s 238 m 1 kW

UNIVERSITY OF SANTO TOMAS (Non-Commerc.)
ADDRESS: Catholic University of Santo Tomas, Manila.
HOME SERVICE: 10.00–14.00 in English, Spanish & Tagalog.
DZST 860 kc/s 348.8 m 1 kW
ANNOUNCEMENT: "This is the Voice of Catholic Philippines, station DZST Manila".
VERIFICATION by QSL-card and/or letter.

ALFRED J. WILLS BROADCASTING (Priv. Comm.)
ADDRESS: Radio Station DXAW, Legaspi St. Davao City.
HOME SERVICE: Davao City: 22.00–24.00, 04.00–06.00, 08.00–14.00
DXAV 1180 kc/s 254.2 m 0.5 kW in English and Visayan.

THE PEOPLES STATION (Govt, Comm.)
ADDRESS: 4th Floor, City Hall, Manila. Cable: DZFM Manila.
LEADING PERSONALITIES: Managing Dir.: F. Trinidad. Progr. Dir.: E. Avelino. Traffic Chief: R. Forbes. Chief of Studios: L. Quintos. Chief Eng.: J. Dy.
HOME SERVICE: D. 21.00–15.00 in English & Tagalog:
DZFM 710 kc/s 422.5 m 10 kW DUH3 9570 kc/s 31.35 m 0.25 kW
DUH2 6170 – 48.62 – 0.25 – DUH4 9615 – 31.20 – 0.25 –
DUH5 11840 – 25.34 – 0.25 –
English:
N.: 21.40–21.45[1]), 23.45–24.00[2]), 04.30–04.45[3]), 04.45–04.55[1]), 12.45–13.00[2]), 14.00–14.15[3]).
Weather rep.: 21.05–21.15, 23.30, 04.30, 08.00–08.15, 14.15–14.30. –
Tagalog:
N.: 21.15–21.25 (UN), 21.45–22.00[2]), 05.00–05.15[2]), 07.00–07.10 (UN).
Philippine Music: 10.30–11.00 (or 10.45).
[1]) Armed Forces. [2]) Home & Foreign. [3]) Foreign.
VERIFICATION by QSL-card or letter or both. Listeners reports are wanted. Return-postage required.

PHILIPPINE FEDERATION OF CHRISTIAN CHURCHES AND SILLIMAN UNIVERSITY (Non-comm., Educ., Religious)
ADDRESS: Station DYSR, Dumaquete City.
LEADING PERSONALITIES: Dir. Adm.: H. W. Mack. Dir. Progr.: C. Barnardez. Dir. Tec.: W. E. Haney.
HOME SERVICE in English and Visayan: D. 22.00–01.30(Sun. 02.00), 09.00–14.00 DYSR 840 kc/s 357.1 m 1 kW. DYB4 3277 kc/s 91.55 m 0.3 kW DYH4 6055 kc/s 49.55 m 0.25 kW d. north, south. N. in English: 09.00 Wed. 11.30 12.00(local). VOA Rebroadcast Sun. 22.00–22.15, W. 21.00–21.15. N. in Visayan: 10.00–10.15. – Mailbag: Wed. 11.30 Weatherrep.: D. 11.30, 22.00. – Visayan Music: Tues., Thurs.: 00.15 –00.30. Mo. 10.15–10.30.
Religious, Eductional & Cultural Programs in English and Visayan: Sun. 21.00–02.00, 09.00–14.00. – Symphony Music: D.: 13.00–14.00.
ANNOUNCEMENT: "This is the Voice of Christian Brotherhood, DYSR, broadcasting from Dumaguete City on 840 kc/s medium waves and on two Shortwave stations in the 91 and the 49 meter bands". VERIFICATION by QSL-card and/or letter.

THE MINDANAO COLLEGES BROADC. SYSTEM (Comm.).
ADDRESS: Davao City, Mindanao.
HOME SERVICE in English: 22.00–05.00, 07.00–14.00.
DXMC 900 kc/s 300.0 m 1 kW DXH2 3950 kc/s 75.95 m 0.3 kW
ANNOUNCEMENT: "This is MCBS, The Mindanao Colleges Broadcasting System. DXMC, The Voice of Davao, broadcasting from the heart of Davao".
OTHER STATIONS: 6 low power m.w. stations.

VOICE OF AMERICA RADIO STATION IN NORTHERN LUZON
ADDRESS: Voice of America, Philippines Relay Base, c/o American Embassy, Manila, P. I.; or, Voice of America, Washington 25, D.C., U.S.A.
STATIONS:
Medium Wave: Philippines-B 1140 kc/s 263 m 1000 kW 1000.–22.30
Short Wave: Philippines 35 kW 10.00-16.30, 21.30–22.30, 23.00–00.00.

kc/s	m	kc/s	m	kc/s	m
6060	49.50	11755	25.52	11790	25.45
9535	31.46	11800	25.42	15340	19.56

DAILY PROGRAMMES: Medium Wave:

10.00–10.30 Music	14.00–14.30 Vietnamese
10.30–11.00 Mandarin	14.30–15.00 Burmese
11.00–11.30 Amoy	15.00–15.30 Mandarin
11.30–12.00 Cantonese	15.30–16.00 Vietnamese
12.00–12.30 Mandarin	16.00–14.30 Thai
12.30–13.00 Vietnamese	16.30–22.30 Mandarin/Cantonese
13.00–13.30 Thai	
13.30–14.00 English	

Short Wave. See U.S.A.
ANNOUNCEMENT: "This is the Voice of America Radio Station in Northern Luzon, the Philippines".
VERIFICATION: By QSL-card. No return postage required.

VOICE OF AMERICA RADIO STATION IN MANILA
ADDRESS: Voice of America, Manila Relay Base, c/o American Embassy, Manilla, P. I.; or, Voice of America, Washington 25, D.C.,
STATIONS:
Medium Wave: Manila-A 920 kc/s 326 m 50 kW 10.30–16.00, 23.30–24.00
Short Wave: Manila 7.5/50 kW 08.30–16.00, 22.00–01.30

kc/s	m	kc/s	m	kc/s	m
6125	48.98	11890	25.23	15245	19.68
9590	31.28	11895	25.22	15330	19.57
9670	31.02	15215	19.72	15340	19.56

DAILY PROGRAMMES: Medium Wave.

10.30–11.30 Mandarin	14.00–14.30 Amoy
11.30–12.00 Cantonese	14.30–15.00 Cantonese
11.30–12.00 English (Sun. only)	15.00–15.30 Mandarin
12.00–12.30 Mandarin	15.30–16.00 English
12.30–13.30 Cantonese	23.30–00.00 English
13.30–14.00 English	

Short Wave: See U.S.A.
ANNOUNCEMENT: »This is the Voice of Amerika Radio Station in Manila«.
VERIFICATION: By QSL-card. No return postage required.

ARMED FORCES RADIO SERVICE (Govt. Military)
Clark (Air Force): 1300 kc/s 230.8 m 0.05 kW
Sangley Point (Navy) KTLG: 1300 – 230.8 – 0.05 –
Subic Bay (Navy): KCMB 1520 – 197.4 – 0.2 –
KCMB: Address: AFRTS, Navy 3002, c/o PFO, San Francisco, Calif. U.S.A. – D. Prgr.: W.: 22.00–16.00(Sat. 18.00). Sun. 00.00–16.00.
KTLG: Address: U.S. Naval Station 961, c/o FPO, San Francisco, Calif. U.S.A.

RYUKYU ISLANDS

VOICE OF AMERICA RADIO STATION IN OKINIWA
ADDRESS: Voice of America, Okinawa Relay Base, Box R, APO 239, San Francisco, California or, Voice of America, Washington 25, D.C.,
STATIONS:
Medium Wave: Okinawa-A 1180 kc/s 254 m 1000 kW 10.30–22.30
Short Wave: Okinawa 35 kW 10.30–17.00, 22.00–22.30
6145 kc/s 48.82 m 7160 kc/s 41.90 9635 kc/s 31.14 11920 kc/s 25 17 m 15210 kc/s 19.72 m.
DAILY PROGRAMMES: Medium Wave.

10.30–11.00 Mandarin	14.00–14.15 Korean
11.00–11.30 Russian	14.15–14.45 Russian
11.30–12.00 Cantonese	14.45–15.30 Mandarin
12.00–12.30 Mandarin	15.30–16.00 English
12.30–13.00 Russian	16.00–17.30 Mandarin
13.00–13.30 Cantonese	17.30–18.00 Can onese
13.30–14.00 English	18.00–22.30 Mandarin

Short Wave. See U.S.A.
ANNOUNCEMENT: "This is the Voice of America Radio Station in Okinawa".
VERIFICATION: By QSL-card. No return postage required.

FAR EAST NETWORK (US.. Govt. AFRTS).
ADDRESS: Box 461, Ft. Buckner (Okinawa), APO 331, S. Francisco.
LEADING PERSONALITIES: Mgr.: D. R. Standiford. Dir. Tec.: W. J. Wolfe. Prgr. Dir.: E. L. Gelhaar. – STATION: 810 kc/s 370 m 1 kW: 24 hours daily. ENGLISH: N.: 03.30, 09.00, 12.00, 22.00. Request Prgr.: 12.00–12.30. – SPANISH: Fri. 23.00–23.30. – ANNOUNCEMENTS: "This is the Far East Network, Okinawa" – VERIFICATION by letter. Return postage not required.

RADIO STATIONS KSAR/KSBK (U.S. Civil Adm.).
Owned by the University of the Ryukyus Fund Raising Foundation and leased to group of Ryukyan business men for commercial operation.
ADDRESS: Shuri City, Okinawa. – L.P.: Bill Conine, Chief Radio Branch, USCAR-CI and E, APO 331, US Forces.
KSAR 740 kc/s 405 m 5 kW 21.00–23.00, 02.30–04.00, 09.00–15.00, in English & local Ryukyan dialects.
KSBK 880 kc/s 341 m 0.5 kW 20.30–15.00(Sat. 16.30). For the benefit of the American Service & civilian community. – VERIFICATION by letter. Return postage required.

SAMOA

WESTERN SAMOA (N. Z. Trust Territory)
ADDRESS: Broadcasting Department, Government of Western Samoa, Box 200 Apia. Cable: "Voxpac".
LEADING PERSONALITIES: Director of Broadcasting: S.D.M. Smith. Chief Technician: N. R. Saggers.
HOME SERVICE in English and Samoan language from 2AP Apia: 1420 kc/s 211.3 m 2 kW – *)6040 kc/s 49.67 m 0.2 kW – *)3241 kc/s 92.56 m 0.2 kW *) For test purposes.
20.00–22.00 Mo. School broadcasts in Samoan.
20.00–21.00 Tues. Wed. Thurs.: School broadcasts in Samoan.
05.30–07.00 Mo. Wed. Sat.: English – 05.30–09.00 Fri.: English.
07.00–09.00 Mo. Wed. Sat.: Samoan. – 05.30–08.00 Sun.: English and Samoan.
ANNOUNCEMENT: "This is Station 2AP Apia, W. Samoa
VERIFICATION by QSL-card.

EASTERN SAMOA (U.S. Territory).
RADIOSTATION WVUV
ADDRESS: Office of Information and Adult Education, Pago Pago, American Samoa.
LEADING PERSONALITIES: Chief Office of Information and Adult Education: F. F. Fau'olo. Dir. Press and Information: M. Leoso. Mgr.: F. Muasan, Dir. Prgr.: N. A. Tuiteleleapaga. Dir. Tec.: R. S. Caldwell.
HOME SERVICE in English and Samoan: WVUV 1120 kc/s 267.8 m 0.05 kW: Mo. to Fri. 20.00–22.00, 07.00–10.00.
ANNOUNCEMENT: "This is Station WVUV, Pago Pago, American Samoa".
VERIFICATION by QSL-card or letter. Return postage not required.
PUBLICATIONS: Weekly informationpaper and a daily news sheet in English.

SOLOMON ISLANDS (British Protectorate)

SOLOMON ISLANDS BROADCASTING SERVICE (Govt.)
ADDRESS: Public Relations Officer, Western Pacific High Commission, Honiara. Cable: VQO Honiara.
LEADING PERSONALITIES: Wireless Officer in conjunction with Public Relations Officer of the High Commission Secretariat.
HOME SERVICE: VQO 1030 kc/s 291.2 m 0.4 kW W. 07.00–08.00. Prgr. incl. news in English and pidgin–English, shipping information, Weatherrep., requestprgr. and prgr. for Melanesians.
VERIFICATION by letter.

TAHITI (French Territory)

RADIO TAHITI (Govt.)
ADDRESS: Le Directeur du Centre d'Information, Papeete.
HOME SERVICE in Tahitian & French from Papeete 0.2 kW.
6135 kc/s 48.90 m 7100 kc/s 42.25 m
7025 – 42.70 – 7125 – 42.10 –
22.00–22.15 Tahitian on 7025, 7125 kc/s.
22.15–23.00 French on 7025, 7125 kc/s.
04.00–05.00 Tahitian on 6135, 7025 kc/s.
05.00–07.00 French on 7025, 7125 kc/s.
ANNOUNCEMENT: Ici Radio-Tahiti, la voix de la France.
INTERVAL-SIGNAL: Tahitian Drums.
VERIFICATION by QSL-card.

NORTH AMERICA

ALASKA (US. Territory)

PRIVATE COMM. ST.
660 kc/s 10 kW KFAR Fairbanks 900 kc/s 10 kW KFRB Fairbanks 730 – 10 – KFQD Anchorage + 10 AM stations less 10 kW.
ARMED FORCES RADIO AND TELEVISION SERVICE

	kc/s	kW		kc/s	kW
Barter Island	980	0.05	Eielson	1400	0.05*)
King Salmon	980	0.25*)	Nome Field	1400	1 *)
Elmendorf	1360	0.05*)	Kodiak	1400	0.25**)
Ladd	1360	0.05*)	Adak	1580	0.25**)

*) Air Force station. **) Navy station.

CANADA

CANADIAN BROADCASTING CORPORATION INTERNATIONAL SERVICE (Publicly owned)

ADDRESS: Canadian Broadcasting Corporation, International Service, P.O. Box 6000, Montreal, Canada. Cable: "Intrad".

LEADING PERSONALITIES: Director: C. R. Delafield. Supervisor of Sections: A. L. Pidgeon. Supervisor of Engineering Services: J. M. Laporte. Press and Information Representative: H. Shane.

STATIONS: All international shortwave broadcasts from Canada are directed by CBC International Service, which is owned by the people of Canada. All programs are produced in Montreal and beamed from two 50-kilowatt transmitters at Sackville, New Brunswick, near the Atlantic Coast. The CBC International Service was inaugurated Feb. 25, 1945.

	kc/s	m		kc/s	m
CKNA	5970	50.25	CKRA	11760	25.51
CKRZ	6060	49.50	CKEX	11900	25.21
CKOB	6090	49.26	CKNK	11945	25.12
CHAC	6160	48.70	CKLX	15090	19.88
CKLP	9585	31.30	CKCX	15190	19.75
CHLS	9610	31.22	CKCS	15320	19.58
CKLO	9630	31.15	CKNC	17820	16.84
CKXA	11705	25.63	CKRP	21600	13.89
CHOL	11720	25.60§	CHLA	21710	13.82

EUROPEAN SE VICE:

	Winter Nov.–Febr. m. b.	Equinox March–April Sept.–Oct. m. b.	Summer May–August m. b.
12.00–17.00	19–16	19–16	19–16
17.00–18.00	25–19	25–19–16	19–16
18.00–19.30	31–25–19	25–19–16	25–19–16
19.30–21.30	49–31–25	31–25–19	25–19–16

Daily programs:
11.55–12.35 For Canadian Forces in Europe. (Mo. to Fri. only).
11.55–13.00 Czech (Sat. only).
12.25–14.05 For Canadian Forces in Europe. (Sun. only).
13.00–14.05 For Canadian Forces in Europe. (Sat. only).
13.25–14.05 For Canadian Forces and Programs for Europe. (Mon. to Fri.).
14.05–14.15 Announcements, Program Preview.
14.15–14.45 Russian
14.45–15.15 Ukrainian
15.15–16.00 Programs for Europe
16.00–16.30 Polish
16.30–17.00 Czech
17.00–17.30 German
17.30–18.00 Russian
18.00–18.15 Polish
18.15–18.30 Slovak
18.30–19.00 Prgr. for Europe
19.00–19.30 Czech
19.30–20.00 German
(Mo. to Fri.).
17.30–18.00 Swedish
18.00–18.30 Norwegian
18.30–19.00 Danish
19.00–19.30 Dutch
19.30–20.00 Italian
(Sat., Sun. only)
20.00–20.30 French (Daily).
20.30–21.00 English –
21.00–21.30 Russian –

LATIN AMERICAN SERVICE:

	Winter Nov.–Febr. m. b.	Equinox March–April Sept.–Oct. m. b.	Summer May–August m. b.
22.55–00.35	31–25	31–25–19	25–19

Daily programs:
22.55–23.45 Portuguese – 23.45–00.35 Spanish.

AMERICAN SERVICE:

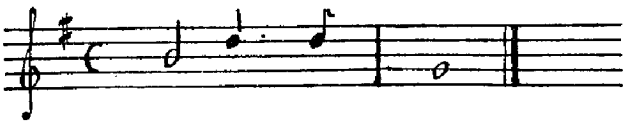
	Winter Nov.–Febr. m.b.	Equinox March–April Sept.–Oct. m.b.	Summer May–August m.b.
00.55–01.35 English	49–31	31–25–19	31–19

NORTHWEST TERRITORIES AND ARCTIC SETTLEMENTS SERVICE:
Daily Programs
02.55–03.35 English in 49, 31 or 25 m.b. exc. Sun. EST.
02.55–04.20 English (Northern Messengers). Sun: only EST. Nov. to May in 49,31 or 25 m.b.

AUSTRALASIAN SERVICE:
08.25–09.05 English in 49 and 31 m.b. daily.

ANNOUNCEMENTS: "This is the International Service of the Canadian Broadcasting Corporation". "Ici Radio Canada". "This is Canada".

INTERVAL-SIGNAL: First four notes of the National Anthem "O Canada":



MESSAGE TO LISTENERS: The CBC International Service greets shortwave listeners everywhere, and welcomes reports, queries and comments on reception and programs. Please write to Box 6000, Montreal.

VERIFICATION by letter or QSL-card. No return postage required.

CBC HOME SERVICE . NATIONAL SERVICE PUBLICLY OWNED

Abbreviations: N=Newfoundland. NS=Nova Scotia. PJ=Prince Edward Island. NB=New Brunswick. P=Pacific. QU=Quebec. O=Ontario. M=Manitoba. SA=Saskatchewan. Al=Alberta. BC=British Columbia. W=Winnipeg. D.Pr.=Daily Programmes. Pr.=Province. Prince R.=Prince Rupert.

ADDRESSES: Canadian Broadcasting Corporation, 140 Wellington Street, Ottawa, O (Head Office). Following are the locations of regional offices: T.A.Building, St. John's, Nf. (Newfoundland Region); United Services Building, Halifax, NS (Maritime Region); 1425 Dorchester Street West, Montreal, QU (QU Region); 354 Jarvis Street, Toronto, O (O Region); 541 Portage Ave W., M (Prairie Region); 701 Hornby Street, Vancouver, BC (P Region); **European Office:** 200 Oxford Street, London W, 1. England. **New York Office:** c/o United Nations, New York, N.Y., U.S.A.

LEADING PERSONALITIES: Head Office: Gen. Man.: J. A. Ouimet. Asst. Gen. Man.: E. L. Bushnell. Dir. of Progr.: Ch. Jennings. Asst. Dir. of Progr.: Marcel Ouimet. Dir. of Engineering: W. G. Richardson. Dir. of Press and Information: R. C. Fraser.

ENGLISH NETWORK

Medium Waves:

Call	kc/s	kW	City-Pro.	Call	kc/s	kW	City Pro.
CBN	640	10	St. John's-Nf..	CBO	910	5	Ottawa-O
CBG	1450	0.25	Gander-Nf.	CBL	740	50	Toronto-O
CBT	1350	1	Gr. Falls-Nf.	CJBC	860	50	Toronto-O
CBY	790	1	Corner B.-Nf.	CBE	1550	10	Windsor-O
CBI	1140	5	Sydney-NS	CBW	990	50	Winnipeg-M
CBH	1330	0.1	Halifax-NS	CBK	540	50	Watrous-Sas
CBA	1070	50	Sackville-NB	CBX	1010	50	Edmont.-A
				CBXA	740	0.25	Edmont.-A
CBM	940	50	Montreal-Qu	CBU	690	10	Vanc.-B.C.
				CFPR	1240	0.25	Prince R, B.C.

FM:

Call	mc/s	kW	City Pro.
CBM	100.7	3.86	Montreal
CBO	103.3	0.38	Ottawa
CBL	99.1	11.70	Toronto
CBU	105.7	1.40	Vancouver

Short Waves:

Call	kc/s	kW	City Pro.
CBNX	5970	0.3	St. John's 1)
CBUX	6160	0.5	Vancouv. 2)
VED	7320	5	Edmonton 3)

1) relay CBN. 2) relay CBU. 3) relay CBX.

CBN/CBNX: Address: Newfoundland Hotel, St. John's Nf. D. Prgr.: 10.30–03.05. – Verification by QSL-card.

CBA: Address: United Service Building, 100 Sackville Street, Halifax N.S. D. Pr.: W.: 11.30–04.00. Sun.: 12.45–04.15.

CBM: Address: Radio Canada Building, 1425 Dorchester Street, Montreal, Q.U. D. Pr.: W.: 12.00–05.00. Sun.: 13.00–05.00.

CBL: Address: 354 Jarvis Street, Toronto 5 O. D. Prgr.: W.: 12.00–05.00. Sun.: 13.00–05.00.

CJBC: Address: 354 Jarvis Street, Toronto 5 O. D. Prgr.: W.: 12.00–05.00. Sun.: 13.45–05.00.

CBE: Address: Security Building, Windsor O. D. Prgr.: W.: 12.45–05.30. Sun.: 13.00–05.30.

CBW: Address: P.O. Box 160, Winnipeg D. Prgr.: 12.45–06.00, Sun. 14.45–06.00.

CBK: Address: P.O. Box 148, Regina S. D. Prgr.: 13.45–08.00, Sun. 15.45–08.00.

CBX/VED: Address: Mc. Donald Hotel, Edmonton A. D. Prgr.: 13.45–08.00.

CBU/CBUX: Address: 710 Hornby Str., Vancouver B.C. D. Prgr.: W.: 14.45–08.00. Sun.: 15.55–08.00. News: 15.30(W.), 16.00,19.00(S), 20.15(W), 23.00(S), 01.45(W), 03.00, 06.00, 07.57.

map Greenland North America

Canada

FRENCH NETWORK

Medium Waves:

Call	kc/s	kW	City Pr.
CBF	690	50	Montreal
CBJ	1580	10	Chicoutimi
CBV	980	5	Quebec
CBAF	1300	5	Moncton

FM:

Calll	mc/s	kW	City Pr.
CBF	95.1	3.86	Montreal

Short Waves:

(Montreal 7.5 kW)

CBFW	6090	CBFL	11720
CBFR	9520	CBFA	11760
CBFX	9610	CBFZ	15190
CBFO	9630		
CBFY	11705		

PRIVATELY OWNED COMMERCIAL STATIONS

ASSOCIATION OF BROADCASTERS: Head Office, 108 Sparks, Str., Ottawa 4.

Medium Waves: 5 kW and more. 60 low-power stations not mentioned.

FM: 8 stations.

Short Waves:

1.	CHLN	500	600	5	27.	CKBI	900	333	5
2.	CFNB	550	545	5	28.	CJCH	920	326	5
3.	CFRA	560	536	5	29.	CFBC	930	323	5
4.	CJKL	560	536	5	30.	CJCA	930	323	5*
5.	CJFX	580	517	5	31.	CJON	930	323	5
6.	CKEY	580	517	5	32.	CFAC	960	312	5
7.	CKY	580	517	5	33.	CHNS	960	312	5
8.	CFCF	600	500	5	34.	CKWS	960	312	5
9.	CFQC	600	500	5	35.	CKCH	970	309	5
10.	CJOR	600	500	5	36.	CFPL	980	306	5
11.	CHNC	610	492	5	37.	CKRM	980	306	5
12.	CHCK	620	484	5	38.	CKWX	980	306	5*
13.	CFCY	630	476	5	39.	CFRB	1010	297	50*
14.	CKRC	630	476	5	40.	CFCN	1060	283	10d*
15.	CHFA	680	441	5	41.	CHOK	1070	280	5d
16.	CKGB	680	441	5	42.	CHSJ	1150	261	5
17.	CKAC	730	411	10	43.	CKOC	1150	261	5
18.	CKSO	790	380	5	44.	CJOC	1220	246	5
19.	CHAB	800	375	5	45.	CKCW	1220	246	10
20.	CHRC	800	375	5	46.	CFRN	1260	238	5
21.	CJAD	800	375	5	47.	CJCB	1270	236	5*
22.	CKLW	800	375	50	48.	CKAD	1280	234	5d
23.	CKVL	850	353	10	49.	CKOY	1310	229	5
24.	CHML	900	333	5	50.	CKNW	1320	227	5
25.	CJBR	900	333	5d	51.	CKLB	1350	222	5d
26.	CJVI	900	333	5d	52.	CKOM	1420	211	5

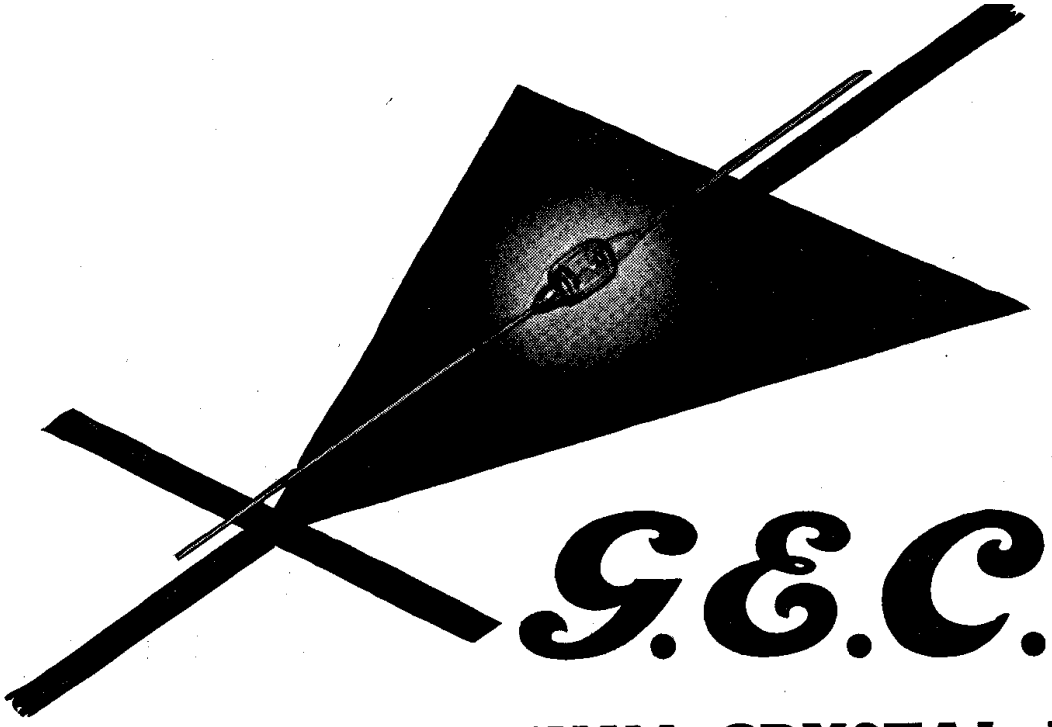
*) Short Wave.

Short Waves:

	Call	kc/s	m	kW	m.w.		Call	kc/s	m	kW	m.w.
30.	VE9AI	9540	31.45	0.1	930	39.	CFRX	6070	49.42	1	1010
38.	CKFX	6080	49.34	0.01	980	40.	CFVP	6030	49.75	0.1	1060
						47.	CJCX	6010	49.92	1	1270

Hours of transmission converted into GMT from Canadian summer-time; add one hour to each of the hours of transm. indicated below.

1. CHLN – **Addr.:** R. Trois Rivières, Inc., 522, Bonaventure St., Trois-Rivières, Qu. – **D. Prgr.:** W. 09.55–04.00, Sun. 13.00–04.00.
2. CFNB – **Addr.:** J. S. Neill & Sons Ltd, York St., Frederictown N. B. – **D. Prgr.:** W. 09.30–03.15, Sun. 11.03–03.15.
3. CFRA – **Addr.:** CFRA Ltd. Auditorium, Ottawa, – **D. Prgr.:** 24 hours daily.
4. CJKL – **Addr.:** Kirkland Lake Broadc. Ltd, Government Rd W., Kirkland Lake, – **D. Prgr.:** W. 10.00–04.15, Sun. 12.;00–04.15.
5. CJFX – **Addr.:** Atlantic Broadcasters Ltd, St. Ninian Str., Antigonish N.S. – **L.P.:** Mgr., Dir.Tec.: J.Mc. Dougall; Dir.Prog.: Ch. O'Brien; Dir.N.: B.Mackinnon. – **D. Pr.:** 10.00–15.10 – **N:** 10.00, 10.35, 11.00, 11.55, 13.00, 15.15, 19.00, 20.15, 21.00, 22.00. – **Time Signal:** 17.00 from Dom. Observatory – **Request Prgr.:** 19.05–19.30. **Verification** by letter. Return postage not required.
6. CKEY – **Addr.:** Toronto Broadc. Co, 444, University Ave., Toronto, O – **D. Prgr.:** 24 hours daily.
7. CKY – **Addr.:** Broadc. St. CKY Ltd, Loredore Bldg., 432 Main Str., Winnipeg, M. – **D. Prgr.:** W. 11.00–06.00, Sun. 12.15–05.00.
8. CFCF (-FM 106,6 mc/s) – **Addr.:** Canadian Marconi Co. Ltd, 4824 Cote des Neiges Rd, Montreal, Qu. – **D. Prgr.:** W. 09.30–05.30, Sun. 12.00–04.00 – **Verification** by QSL card.
9. CFQC – **Addr.:** A. A. Murphy and Son Ltd, 212–216 First Avenue N., Saskatoon, Sas. – **D. Prgr.:** W. 12.00–07.00, Sun. 13.00–06.00.
10. CJOR – **Addr.:** CJOR Ltd., 846 Howe Str., Vancouver, B. C. – **D. Prgr.:** 24 hours daily.
11. CHNC – **Addr.:** The Gaspesia R. Broadc. Co. Ltd, Main St., N. Carlisle, Qu. – **D. Prgr.:** W. 11.00–04.00, Sun. 13.30–04.00.
12. CHCK – **Addr.:** Trans-Canada Communications, The Leader Post Bldg., Regina, Sas. – **D. Prgr.:** W. 11.55–07.05, Sun. 13.00–06.05.
13. CFCY – **Addr.:** Island R. Broadc. Co. Ltd., Broadc. Centre, 85 Kent St. Charlottetown, Prince Edward Island – **D. Prgr.:** W. 10.15–03.00, Sun. 12.00–03.00.
14. CKRC – **Addr.:** Trans-Canada Communications, Free Press Bldg. 300 Carlton St., Winnipeg, M. – **D. Prgr.:** W. 11.00–05.30, Sun. 12.15–05.00.
15. CHFA – **Addr.:** R. Edmonton Ltd., 10012 – 109th Str., Edmonton, A. – **D. Prgr.:** W. 12.56–06.02, Sun. 15.56–06.02.
16. CKGB – **Addr.:** Timmins Broadc. Ltd., Thomson Bldg., Timmins, O. – **D. Prgr.:** W. 58.11–04.10, Sun. 09.58–05.00.
17. CKAC – **Addr.:** La Compagnie de Publication de "La Presse" Ltd., 980 St. Catherine Str., West, Montreal Ou. – **D. Prgr.:** W. 09.55–04.35, Sun. 12.00–04.35.
18. CKSO – **Addr.:** CKSO R. Ltd., Box 400, Sudbury, On. – **D. Prgr.:** W. 10.30–05.00, Sun. 12.00–05.00.
19. CHAB – **Addr.:** R. Station CHAB Ltd., 127 Main St. N., Moose Jaw, Sas. – **D. Prgr.:** W. 11.55–06.05, Sun. 12.45–05.45.
20. CHRC – **Addr.:** CHRC Ltd., 39 St. John Str., Qu. – **D. Prgr.:** W. 10.00–04.00, Sun. 12.00–04.00.
21. CJAD – **Addr.:** CJAD Ltd., 1191 Mountain Str., Montreal P. Q. – **D. Prgr.:** W. 10.00–05.00 (Sat. 04.40), Sun. 12.00–04.05.
22. CKLW – **Addr.:** Western Ontario Broadc. Co. Ltd., 825 Sandwich St. West, Windsor, O. – **L. P.:** Pres. J. E. Campeau – **D. Prgr.:** 24 hours daily.
23. CKVL (+FM) – **Addr.:** CKVL Ltd., 213 Gordon Ave, Verdun, Qu. – **D. Prgr.:** 24 hours a day 7 days weekly.
24. CHML – **Addr.:** Maple Leaf Broadc. Co. Ltd., 848 Main Str., Hamilton, O. – **D. Prgr.:** W. 09.00–06.15, Sun. 11.00–06.15.
25. CJBR – FM – **Addr.:** Radio Station CJBE, The Central Public Service, 6 St. Jean, Rimouski., P.Q. – **L.P.:** Pres. J. Brillant; Mgr.: A. Lecomte; Dir. Prgr.: F. Raymond; Dir. Tec.: R. Thersen; Dir. Information: S. Burgess; Dir. Public Relations: R. Charleboix – **D. Prgr.:** 10.30–04.30 – **FM:** 101.5 mc/s.
26. CJVI – **Addr.:** Island Broadc. Co. Ltd., 817 Fort Str., Victoria, B. C. – **L.P.:** Mgr.: W. M. Guild; Dir. Prgr.: F. G. Usher; Dir. Tec.: J. Sommers; Promotion Mgr.: H. Curtis – **D. Prgr.:** 13.00–08.00 – **N.:** hourly – **Request Prgr.:** 07.05–08.00 – **Weatherreports:** 19.10, 03.10, 05.00.
27. CKBI – **Addr.:** Central Broadc. Co. Ltd., Sanderson Bldg., Prince Albert, Sas. – **D. Prgr.:** W. 12.00–07.00, Sun. 12.30–07.00.
28. CJCH – **Addr.:** The Chronicle Comp. Ltd., Robie Str., Halifax – **D. Prgr.:** W. 09.30–04.00, Sun. 10.55–15.10.
29. CFBC – **Addr.:** Fundy Broadc. Co. Ltd., 68 Carleton Str., S. John, N. B. – **D. Prgr.:** W. 09.00–04.00, Sun. 11.00–03.15.
30. CJCA – 9540 kc/s – **Addr.:** Edmonton Broadc. Ltd., 452 Borks Bldg., Edmonton, A. – **D. Prgr.:** D. 13.00–07.00.
31. CJON – **Addr.:** The Newfoundland Broadcasting Co. Ltd., Broadc. House, Prince of Wales Str., St. John's Nf. – **L. P.:** Pres.: G.W. Stirling; Dir. Tec.: O. Hierlhy; Dir. Press: B. Walsh – **D. Prgr.:** 10.30–04.30 – **N.:** Every hour – **Request Prgr.:** 20.30, 21.30 – **Future Plan:** m. w. 10 kW.
32. CFAC – **Addr.:** Calgary Broadc. Co. Ltd., Greyhound Bldg., Calgary, A. – **D. Prgr.:** W. 11.30–07.00, Sun. 13.00–06.00.
33. CHNS – **Addr.:** The Maritime Broadc. Co., Broadc. House, Halifax N. S. – **D. Prgr.:** W. 09.30–03.30, Sun. 12.00–15.30.
34. CKWS – **Addr.:** The Frontenac Broadc. Co., Radio-T. V. Centre, Kingston, O. – **D. Prgr.:** W. 10.00 (Sat. 09.45) – 04.10, Sun. 11.45–04.10.
35. CKCH – **Addr.:** Le Droit, Ottawa, O. – **D. Prgr.:** W. 09.59–04.10, Sun. 12.55–04.10.
36. CFPL-Radio: **Addr.:** London Free Press Building, Richmond St. London, O. – **L. P.:** Mgr. Dir.: W. S. Blackburn; St. Mgr. (Radio and T. V.): M. T. Brown; Asst.Mgr.: D. C. Trowell; Dir.Tec.: G. Robitaille; Dir.Prgr.: J. N. Illman; Dir.Public Sce.: J. F. Hartry; Promotion Mgr.: H. M. Clarke – **D. Prgr.:** D. 09.45–06.00 – **FM:** 95.9 mc/s 4.5 kW ERP – **Request Prgr.:** Sat. 11.15–06.00 – **Mailbag:** Mo. to Fri. 17.30–17.45 – **Religious:** Mo-Fri.: 13.30–13.45, Sun. 15.00–16.15, 20.30–21.00. **Verification** by letter. Return postage not required.
37. CKRM – **Addr.:** W. Communications Ltd., 2060 Halifax Str., Regina, Sas. – **D. Prgr.:** W. 12.00–07.00, Sun. 13.30–06.00.
38. CKWX – 6080 kc/s – **Addr.:** CKWX Ltd., 543 Seymour St., Vancouver – **D. Prgr.:** W. 13.00–08.05, Sun. 15.00–09.05 – **Verification:** by letter.
39. CFRB – 6070 kc/s – FM 99.9 mc/s – **Addr.:** Rogers R. Broadc. Co. Ltd, 37 Bloor Str., W., Toronto 5, O. – **D. Prgr.:** W. 09.45–05.05, Sun. 11.15–04.35 – **Verification:** by QSL card.
40. CFCN – 6030 kc/s – **Addr.:** The Voices of the Prairies Ltd., 12th Av. and 6th Str. East, Calgary, A. – **L. P.:** Pres. and Gen.Mgr.: H. G. Love; Dir.Prgr.: N. Corrigall; Dir. Tec. R. W. Lamb; Dir.N. Wm. Love – **D. Prgr.:** 19.00–07.00 – **Verification:** by QSL card. Return postage not required.
41. CHOK – **Addr.:** Sarnia Broadc. Co. Ltd, 148 N. Front Str., Sarnia, O. – **L. P.:** Pres. C. R. Irvine; Mgr. K. Monk; Dir. Prgr.: P. Clayton; Dir. Tec.: R. F. Cooke – **D. Prgr.:** 10.30–04.15 – **Verification:** by letter. Return postage not required.
42. CHSJ – **Addr.:** N. Brunswick Broadc. Co., 14 Church Str., S. John, N. B. – **D. Prgr.:** W. 09.00–04.00, Sun. 11.00–03.15.
43. CKOC – **Addr.:** Wentworth R. Broadc. Co. Ltd., 32 John Str. N., Hamilton, O. – **D. Prgr.:** W. 09.45–05.06, Sun 11.55–04.11.
44. CJOC – **Addr.:** Lethbridge Broadc. Ltd., 1015 Third Av. A., Lethbridge, A. – **D. Prgr.** W. 12.00–06.00, Sun. 13.30–06.00.



GERMANIUM CRYSTAL DIODES

are indicated here because . . .

The use of the Germanium Diode is now firmly established in current T/V practice—and indeed for Radio and Electronic equipment. The glass sealed type is recognised everywhere as being the most reliable and of the highest possible quality.

The design of the G.E.C. Germanium Diode was perfected over three years ago, since when no major alteration has been necessary. There is already a large range of types available, but this is continually being enlarged, and types are now obtainable that were previously restricted essential industries.

Type	Description	List Price
GEX 35	T/V vision detector	6/-
GEX 44/1	T/V sound detector and limiter	7/6d.
GEX 45/1	General purpose diode	10/-
GEX 55/1	High back resistance diode	16/-
GEX 54	High back resistance diode	£1.0.0
GEX 54/3	100 V diode	£1.5.0
GEX 54/4	150 V diode	£1.10.0
GEX 54/5	200 V diode	£1.15.0
GEX 66	100-1000 Mc/Sec Mixer	12/6d.
GEX 64	Telephone modulator	£1.0.0
GEX 34	Set makers version of GEX 44/1	—

They are of small size, low capacitance, and high forward conductance.

Being so small, they can be soldered directly into the part of the circuit where they are wanted.

Heater wiring and valve holders are not required, and they can be tried with great ease in various circuit arrangements.

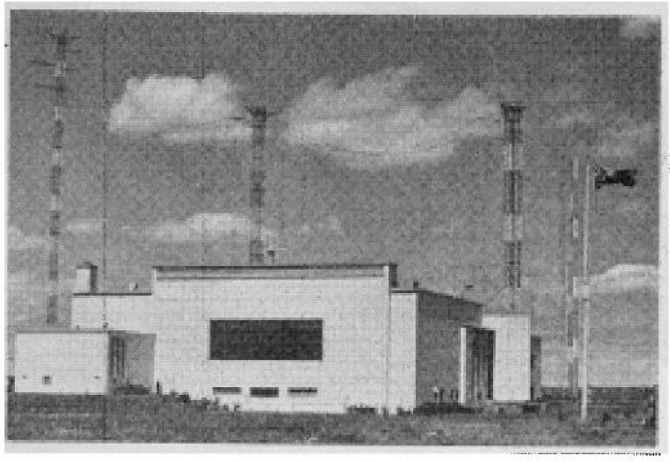
The crystals are hermetically sealed in glass, making penetration by characteristic-destroying moisture impossible.

A minimum life of 10,000 hours means that they need not be easily accessible for replacement.

Data on specific types for special applications is available on request from the Osram Valve and Electronics Dept.

THE GENERAL ELECTRIC CO. LTD. OF ENGLAND – MAGNET HOUSE, KINGSWAY, LONDON

Advertisement General Electric



RADIO CANADA:
This is a view of the transmitter building and some of the European antennae of the CBC International plant. at Sackville, New Brunswick on Canada's Atlantic coast.

45. – **Addr.:** Moncton Broadc. Ltd., Knights of Pythias Bldg. Moncton, N. B. – **D. Prgr.:** W. 09.00–04.00 (Sat. 05.00), Sun. 11.00–03.15.
46. **CFRN** – **Addr.:** Sunwapta Broadcasting Co. Ltd. CPP Bldg., Edmonton, A. – **L. P.:** Pres., Gen. Mgr. G. R. A. Rice; Dir. Tec. F. Makepeace; Dir. Prgr.: S. Lancaster – **D. Prgr.:** 24 hours daily – **FM:** 100.3 mc/s 0.25 k? – See Television – **Verification** by letter.
47. **CJCB** -6010 kc/s -FM. – **Addr.:** Cape Breton Broadcasters Ltd, R. Building, Sydney, N. S. – **D. Prgr.:** 10.00–03.00 – **FM:** 94.9 mc/s – **Verification:** by QSL card.
48. **CKDA -FM** – **Addr.:** Capital Broadc. System Ltd, Hotel Douglas, 1450 Douglas Str., Victoria, B. C. – **L. P.:** Pres.: D. M. Armstrong; Mgr.: G. M. Reid; Dir. Tec.: N. E. Bergquist – **D. Prgr.:** W. 13.00–08.00, Sun. 14.00–07.00 – **N.:** on the hour and 14.30, 15.30, 19.30, 00.30, 01.30 – **FM.:** 98.5 mc/s 0.5 kW – **Verification:** by letter.
49. **CKOY** – **Addr.:** CKOY Ltd., 635 Richmond Rd., Ottawa 3, O. – **D. Prgr.:** 24 hours daily – 7 days weekly.
50. **CKNW** – **Addr.:** International Broadc. Co. Ltd., 227 Columbia St., N. Westminster, B. C. – **D. Prgr.:** 24 hours daily.
51. **CKLB** – **Addr.:** The Lakeland Broadc. Co. Ltd., 16 Centre Str. Oshawa, O. – **D. Prgr.:** 09.50–05.10 – **N.:** Hourly – **Verification:** by letter. Return postage not required.
52. **CKOM** – **Addr.:** Radio Station CKOM, Saskatoon Community Broadc. Co. Ltd., Empire Hotel, Saskatoon, Sas. – **L. P.:** Pres.: R. A. Hosie; Ass. Mgr.: G. D. Tunnicliffe; Dir. Prgr.: A. E. Stolling; Dir. Tec.: W. D. Forst – **D. Prgr.:** 11.30–07.00.

MILITARY STATIONS.
Royal Canadian AIR FORCE (Military)
Radio Station CFGB., RCAF St. Goose Bay Labrador.
L. P.: Dir. Officer: Flight Lieutenant D. E. Smith. Mgr.: Sgt. Horner. Dir. Tec.: WOI Foster.
Daily Prgr. in English: 1340 kc/s 224 m. 0.25 kW: 10.00–02.59 – **Religious:** W. 12.30–12.45, Sun. 13.30–15.00 – **N.:** D. 21.30. – **Weatherr:** 11.00, 15.30, 20.50, 02.59 – **Request Prgr.:** Mp. to Fri.: 02.00 – 02.30. Sat. 02.00–06.00.

UNITED STATES OF AMERICA

VOICE OF AMERICA (Govt.). Continental USA.

"THE VOICE OF AMERICA" is operated by the Broadcasting Service of the U.S. Information Agency. The VOA seeks to promote an increased understanding of the United States among the peoples of the world and to strengthen cooperative international relations.

VOA radio relay installations are located at Honolulu, Manila, Colombo, Okinawa, Munich, Tangier, Salonika and aboard VOA's floating transmitter – the U.S. Coast Guard Cutter **COURIER**. Relay facilities are also leased from the BBC.

Programs are written, produced and broadcast from studios in Washington, D.C., New York City and Munich, Germany.

ADDRESS: The Voice of America, Washington 25, D.C., USA.

LEADING PERSONALITIES: Director, U.S. Information Agency: Theodore C. Streibert. Assistant Director for Broadc. and Television: J. R. Poppele. Prgr. Manager: Gene King. Chief Engineer: Edgar T. Martin. Facilities Manager: Harold O. Wright.

STATIONS:
KCBR–1 (200 kW), KCBR–2/3 (50 kW), KCBR–4/5 (100 kW), Columbia Broadcasting System, Inc., Delano, California.
KNBH–1 (200 kW), KNBH–2/3 (50 kW), KNBH–4/5 (100 kW), National Broadcasting Company, Inc., Dixon, California.
WBOU–1/6 (50 kW), National Broadcasting Conpany, Inc., Bound Brook, New Jersey.
WDSI–1/3 (50 kW), Columbia Broadcasting System, Inc., Brentwood, New York.
WDSI–5/6 (50 kW), Columbia Broadcasting System, Inc., Wayne, New Jersey.
WGEO–1 (100 kW), WGEO–2 (50 kW), WGEO–3 (25 kW), General Electric Company, 1 River Road, Schenectady, New York.
WLWO–3/8 (75/200 k)W, The Crosley Broadcasting Corporation, Mason, Ohio.

Stations	kc/s	m
KNBH	6020	49.83
KCBR	6040	49.67
WLWO	6040	49.67
KNBH	6060	49.50
WDSI	6060	49.50
WLWO	6080	49.34
KCBR	6120	49.02
WDSI	6120	49.02
WLWO	6155	48.74
WDSI	6170	48.62
KCBR	6185	48.50
KCBR	9515	31.53
KBNH	9515	31.53
WLWO	9520	31.51
KCBR	9530	31.48
WBOU	9530	31.48
WGEO	9530	31.48
WLWO	9545	31.43
KCBR	9570	31.35
KNBH	9590	31.28
KCBR	9600	31.25
WBOU	9615	31.20
WGEO	9615	31.20
KNBH	9650	31.09
WDSI	9650	31.09
KCBR	9670	31.02
WLWO	9685	30.98
KCBR	9700	30.93
WDSI	9700	30.93
WLWO	9700	30.93
WBOU	9750	30.77
KCBR	11710	25.62
WLWO	11710	25.62
KNBH	11740	25.55
KNBH	11775	25.48
KNBH	11790	25.45
WDSI	11790	25.45
WLWO	11790	25.45
KCBR	11810	25.40
WDSI	11830	25.36

Station	kc/s	m
KCBR	11860	25.30
KCBR	11870	25.27
WDSI	11870	25.27
WBOU	11890	25.23
WGEO	11900	25.21
KCBR	15130	19.83
WDSI	15130	19.83
KCBR	15150	19.80
WBOU	15150	19.80
WLWO	15200	19.74
WBOU	15210	19.72
WBOU	15230	19.70
KNBH	15250	19.67
WLWO	15250	19.67
KNBH	15270	19.65
WDSI	15270	19.65
WBOU	15280	19.63
KNBH	15315	19.59
WGEO	15330	19.57
WLWO	15330	19.57
KCBR	15340	19.56
WBOU	15440	19.43
KNBH	17760	16.89
WGEO	17760	16.89
KCBR	17770	16.88
KNBH	17780	16.87
WBOU	17780	16.87
WLWO	17795	16.86
KNBH	17800	16.86
WLWO	17800	16.86
KNBH	17830	16.83
WDSI	17830	16.83
KCBR	17850	16.81
WDSI	17880	16.78
KNBH	21460	13.98
WLWO	21520	13.94
WDSI	21570	13.98
WBOU	21610	13.88
WLWO	21650	13.86
KCBR	21740	13.80

RELAY STATIONS: For frequencies of the relay stations, refer to the individual countries: Germany, Greece, Dodecanese Islands, Great Britain, Tangier, Ceylon, Hawaii, Okinawa, Philippines.

ANNOUNCEMENT: Each program ends with these words spoken in English: »This program has come to you from the United States of America«. The station identification is then announced in English.

VERIFICATION: By QSL-card. No return postage required.

TO EUROPE NEAR- AND MIDDLE EAST		USA	RELAY STATIONS
		METER BANDS	
ALBANIAN	05.15–05.30	—	25, 31, 41
	11.45–12.00	—	16, 19
	17.15–17.30	13, 16, 19	19, 25, 41, 49
	18.45–19.00	—	49, 379
	20.15–20.30	16, 19, 25	19, 25, 41, 49
	21.30–21.45	—	31
	23.30–23.45	—	25, 31, 41, 49, 238
ARABIC	02.15–02.45	25, 31, 49	
	04.15–05.15	—	31, 41, 49
	18.00–18.30	—	41, 49, 238
	18.30–19.30	16. 19, 25	19, 25, 41, 49, 238
	19.30–20.00	—	41, 49, 238
ARMENIAN	01.00–01.15	—	41, 49, 238
	02.00–02.30	—	25, 31, 41, 49

Canada Radio Canada Sackville USA United States of America

1

2

3

4

AMERICA

5

1. The Princess Margaret replying over Radio Trinidad to the address of welcome by His Excellency the Governor on her arrival at Piarco Airport, Trinidad, on February 1st, 1955.

2. THE VOICE OF THE ANDES HCJB EQUADOR: Mrs. Ellen Campaña broadcasts to Sweden.

3. CIRCUITO CMQ, CUBA: Members of the "Desfile Musicales" ensemble, which can be heard sundays at 01.30 from Havana.

4. THE VOICE OF AMERICA: Mr. Theodore Streibert, Director of the U. S. Information Agency and Sir John Kotelawala, Prime Minister of Ceylon, pictured in the Washington studios of the Voice of America.

5. ONDAS DEL LAGO, VENEZUELA: Gastoncito and his teacher Galletin, a very popular programme from "Ondas del Lago" (W. (exc. Sat.) from 22.15–22.30). An amusing conversation between teacher and pupil, and in connection therewith competitions with prizes for listeners.

America Radio Trinidad Princess Margaret HCJB Voice of the Andes Ellen Campaña Circuito CMQ Cuba VoA Voice of America Ondas del Lago Venezuela Gastoncito Galletin

U.S.A.

TO EUROPE NEAR- AND MIDDLE EAST		USA	RELAY STATIONS
		METER BANDS	
	03.00–03.15	—	31, 41, 49
	10.30–10.45	—	16, 19
	15.00–15.30	13, 16, 19	16, 19, 25, 31, 41
	18.30–18.45	13, 16, 19, 25	16, 19, 31, 41
	21.45–22.00	—	41, 49, 238
GERMAN TO AUSTRIA	17.30–17.45	16, 19	19, 251
BULGARIAN	21.15–21.30	—	251
	00.00–00.30	—	41, 49, 238
	01.00–01.30	—	25, 31, 41, 49
	05.00–05.30	—	25, 31, 41, 49
	11.00–11.30	—	16, 19
	11.30–12.00	—	19, 25, 31
	17.00–17.15	13, 16, 19	16, 25, 49
	18.30–18.45	—	379
	19.00–19.30	—	49
	19.30–20.00	13, 16, 19, 25	25, 31, 49, 379
	22.00–22.30	—	25, 31, 41, 49, 238
	23.00–23.30	—	25, 31, 41, 49
CZECH-SLOVAK	00.15–00.30	—	271 or 547
	04.45–05.00	—	25, 31, 41, 49
	12.15–12.30	—	16, 19, 25
	14.00–14.15	—	1734
	18.00–18.30	16, 19	19, 25, 41, 49
	20.30–21.00	16, 19, 25, 31	25, 31, 41, 49, 251
	21.45–22.00	19, 25, 31	25, 31, 41, 49
	23.45–24.00	—	25, 31, 41, 49, 238
ENGLISH	14.30–15.00	—	25, 41
	15.00–15.30	13, 16, 19	13, 16, 19, 25, 41, 238
	16.15–16.45	13, 16, 19	19, 25, 31, 41, 49, 224 464, 1734
	17.15–17.45	—	25, 41
	18.00–19.00	16, 19, 25	25, 31, 41
	20.00–20.30	16, 19, 25	25, 31, 41, 49, 238
	20.30–21.00	—	41, 49, 238
ESTONIAN	00.45–01.00	—	25, 31, 41, 49
	02.30–02.45	—	271 or 547
	03.45–04.00	—	25, 31, 41, 49
	13.00–13.15	—	13, 16, 19, 25
	14.15–14.45	—	31, 41, 49
	17.00–17.15	13, 16, 19	16, 19, 25, 31
	17.30–17.45	—	25, 31
	19.00–19.30	—	19, 25, 31
	19.45–20.00	16, 19, 25	19, 25, 31, 41
	20.00–20.30	—	251
	21.15–21.45	—	19, 25, 41
	23.15–23.45	—	251
FRENCH	17.30–18.00	13, 16, 19	RTF
GEORGIAN	01.15–01.30	—	41, 49, 238
	02.30–02.45	—	25, 31, 41, 49
	10.45–11.00	—	16, 19
	11.30–11.45	—	16, 19
	14.45–15.00	13, 16, 19	13, 16, 19, 25, 31, 41
	16.45–17.00	—	16, 19, 25
	18.45–19.00	13, 16, 19, 25	19, 25, 31, 41
	21.30–21.45	—	41, 49, 238
GERMAN	17.15–17.30	16, 19	25, 251, 1734
	17.45–18.00	16, 19	19
	20.00–20.15	16, 19, 25	19, 25, 41, 49, 1734
	22.00–22.15	19, 25, 31	31, 41
	22.15–22.30	19, 25, 31	31, 41
GREEK	17.15–17.30	16, 19	16, 19, 25, 379
	20.30–20.45	19, 25, 31	25, 31, 41, 49, 279
HUNGARIAN	01.00–01.30	—	271 or 547
	13.30–14.00	—	31, 41, 49, 1734
	18.30–19.00	—	19, 25, 31, 49, 251, 1734
	19.00–19.30	16, 19, 25	25, 31, 41, 49, 379, 1734
	20.45–21.15	13, 19, 25, 31	19, 25, 31, 41, 49, 379, 1734
	22.30–23.00	—	31, 41, 49
	23.00–23.30	—	25, 31, 41, 49, 238
	23.30–00.00	—	251
ITALIAN	15.30–15.45	—	RAI
LATVIAN	00.30–00.45	—	25, 31, 41, 49
	03.00–03.15	—	271 or 547
	04.00–04.15	—	25, 31, 41, 49
	13.15–13.30	—	13, 16, 19, 25
	16.45–17.00	16, 19	19, 25, 31
	17.45–18.00	—	25, 31
	19.30–19.45	16, 19, 25	19, 25, 31, 41
	21.30–21.45	—	251

TO EUROPE NEAR- AND MIDDLE EAST		USA	RELAY STATIONS
		METER BANDS	
LITHUANIAN	02.45–03.00	—	25, 31, 41, 49, 271, 547
	04.15–04.45	—	25, 31, 41, 49
	12.00–12.15	—	16, 19, 25
	12.30–13.00	—	19, 25, 31, 41, 49
	14.00–14.15	—	13, 16, 19, 25
	16.00–16.15	13, 15, 19	16, 19, 25, 31, 41, 251
	18.00–18.30	—	19, 25, 31, 41, 251
	18.45–19.00	—	41, 49
	21.00–21.15	19, 25, 31	19, 25, 31, 41, 49, 251
	21.45–22.15	—	41
MUSIC	17.00–17.15	—	379
	19.00–21.00	—	25, 31, 41
PERSIAN	15.30–16.00	13, 16, 19	19, 25, 31, 238
	16.00–16.30	—	19, 25, 31, 238
	16.30–17.30	13, 16, 19	16, 19, 25, 31, 238
POLISH	00.00–00.30	—	25, 31, 41, 49
	00.30–01.00	—	271 or 547
	05.30–06.00	—	25, 31, 41, 49
	07.30–08.00	—	16, 19, 25, 31
	08.15–08.45	—	1734
	08.45–09.15	—	1734
	13.00–13.30	—	19, 25, 31, 41, 49,
	13.00–13.30	—	19, 25, 31, 41, 49, 1734
	16.15–16.45	13, 16, 19	16, 19, 25, 31, 41, 251
	17.30–18.00	—	1734
	19.30–20.00	—	19, 31, 251, 1734
	20.30–21.00	16, 19, 25	19, 25, 31, 41, 49
	22.15–22.45	—	251, 1734
	22.45–23.15	—	251
RUMANIAN	05.30–06.00	—	25, 31, 41
	07.00–07.30	—	16, 19, 25, 31
	10.00–10.30	—	16, 19
	16.45–17.00	13, 16, 19	19, 25, 41, 49
	18.30–18.45	—	49, 379
	20.00–20.30	13, 16, 19, 25	19, 25, 31, 41, 49, 379
	22.30–23.00	—	25, 31, 41, 49, 238
RUSSIAN	00.30–01.00	—	31, 41, 49, 328
	01.00–02.00	—	31, 41
	01.30–02.00	25, 31, 49	25, 31, 41, 49
	02.00–03.00	—	31, 41
	03.00–03.15	—	25, 31, 41, 49
	03.15–03.45	25, 31, 49	25, 31, 41, 49
	03.45–05.30	—	41
	05.30–06.00	—	31
	06.00–06.30	—	16, 19, 25, 31, 41
	06.30–08.00	—	16, 19
	07.30–08.15	—	1734
	09.15–10.45	—	1734
	11.30–12.00	—	19, 25
	12.00–12.30	—	19, 25, 31, 41, 49, 1734
	12.30–13.00	—	13, 16, 19, 25, 1734
	13.00–13.30	—	19, 25
	13.30–14.00	—	13, 16, 19, 25
	14.00–14.15	—	19, 25, 31, 41, 49
	14.15–14.45	13, 16, 19	13, 16, 19, 25, 31, 1734
	14.45–15.00	—	19, 25, 1734
	15.00–15.30	—	19, 25, 1734
	15.30–16.00	13, 16, 19	16, 19, 25, 31, 41, 1734
	16.00–16.15	—	25, 1734
	16.15–16.45	—	31
	16.45–17.15	—	16, 19, 25, 31, 49, 251, 1734
	17.15–17.30	—	16, 19, 25, 31, 49
	17.30–18.00	—	31
	18.00–18.30	13, 16, 19, 25	16, 19, 25, 31, 41, 49, 1734
	18.30–20.30	—	41
	20.15–20.45	—	31, 49, 1734
	20.45–21.15	—	31
	21.15–21.45	13, 19, 25, 31	19, 25, 31, 41, 49, 1734
	21.45–22.15	—	31, 41, 49, 251, 1734
	22.15–00.30	—	31, 41
SERBO-CROAT	02.45–03.00	25, 31, 49	
	05.00–05.30	—	25, 31, 41, 49
	19.00–19.30	13, 16, 19, 25	19, 31, 41, 251
	21.00–21.15	16, 19, 25, 31	25, 31, 41, 49, 238
	22.00–22.15	—	41, 49
SLOVENE	17.00–17.15	16, 19	19, 41
	17.45–18.00	—	251
	20.30–20.45	—	41, 49

TO EUROPE NEAR- AND MIDDLE EAST		USA	RELAY STATIONS
		METER BANDS	
SPANISH	15.00–15.15	Point to Point	
TURKISH	17.30–18.00	16, 19	16, 19, 25, 238
	21.15–21.30	16, 19, 25, 31	25, 31, 41, 49, 238
UKRAINIAN	02.00–02.30	—	271 or 547
	03.45–04.15	—	31, 41, 49
	06.30–07.00	—	16, 19, 25, 31
	12.00–12.30	—	13, 16, 19, 25
	17.30–18.00	13, 16, 19	16, 19, 25, 31, 41, 49
	19.30–20.00	16, 19, 25	19, 25, 31, 41, 49

TO LATIN AMERICA		USA	RELAY STATIONS
		METER BANDS	
ENGLISH	00.30–01.00	19, 25, 31, 49	

TO INDIA AND PAKISTAN		USA	RELAY STATIONS
		METER BANDS	
BENGALI	13.15–13.45	—	25, 41
	(Mon. only)	—	
	15.30–15.45	16, 19	25, 41
	(Mon. only)		
ENGLISH	14.30–15.00	—	25, 41
	15.00–15.30	13, 16, 19	13, 16, 19, 25, 41
	17.15–17.45	—	25, 41
HINDI	13.30–14.00	—	25, 41
	(exc. Mon.)	—	
	15.30–16.00	16, 19	13, 16, 19, 25, 41
	(exc. Mon.)	—	
	15.45–16.00	16, 19	13, 16, 19, 25, 41
	(Mon. only)	—	
	16.00–16.15	—	25, 41
TAMIL	14.00–14.30	—	25, 41
	(Wed. only)		
	16.00–16.30	13, 16, 19	13, 16, 25, 41
	(Wed. only)		
	16.30–16.45	16, 19	16, 25, 41
	(Wed. only		
	16.45–17.15	—	25, 41
	(Wed. only)	—	
URDU	14.00–14.30	—	25, 41
	(exc. Wed)		
	16.00–16.30	13, 16, 19	13, 16, 25, 41
	(exc. Wed.)		
	16.30–16.45	16, 19	16, 25, 41
	(exc. Wed.)		
	16.45–17.15	—	25, 41
	(exc. Wed)		

TO EAST AFRICA		USA	RELAY STATIONS
		METER BANDS	
ENGLISH	19.00–19.30	—	16, 19
HINDI	18.00–19.00	—	16, 19
	(exc. Mon.)		
TAMIL	18.00–19.00	—	16, 19
	(Mon. only)		

TO FAR EAST		USA	RELAY STATIONS
		METER BANDS	
AMOY	10.00–10.30	25, 31, 49	19, 25, 31
	11.00–11.30	—	19, 25, 31, 263
	12.30–13.00	—	25, 31
	14.00–14.30	—	326
	15.00–15.30	—	19, 25, 31
BURMESE	10.30–11.00	25, 31, 49	19, 25, 31
	12.00–12.30	—	19, 25, 31
	14.30–15.00	—	19, 25, 31, 263
CAMBODIAN	05.00–05.30	—	19
	21.30–22.00	13, 16, 19	
	23.30–00.00	—	19, 25
CANTONESE	11.30–12.00	25, 31, 49	19, 25, 31, 263, 326
	12.30–13.00	—	326
	13.00–13.30	—	25, 31, 49, 326
	14.30–15.00	—	326
	17.30–18.00	—	263
	18.30–19.00	—	263
	19.30–20.00	—	263
	20.30–21.00	—	263
	21.30–22.00	—	49, 263
	23.00–23.30	13, 16, 19	25, 31, 49
ENGLISH	11.30–12.00	—	326
	(Sun. only)		
	13.30–14.00	25, 31, 49	25, 31, 41, 49, 254, 263, 326
	15.30–16.00	—	25, 31, 41, 49, 254, 326
	23.30–00.00	13, 16, 19	25, 31, 326
INDONESIAN	11.00–11.30	25, 31, 49	19, 25
	13.00–14.00	—	19, 25
	13.30–14.00	—	19, 25
JAPANESE	01.30–02.00	13, 16	
	09.30–10.00	—	19
	20.45–21.15	13, 16, 19	
KOREAN	14.00–14.15	25, 31, 49	25, 31, 41, 49, 254
	22.30–23.00	13, 16, 19	25, 31
MANDARIN	01.00–01.30	—	19, 25
	09.30–10.00	25, 31, 49	25, 31
	10.30–11.00	—	19, 25, 31, 41, 49, 254, 263, 326
	11.00–11.30	—	25, 326
	11.30–12.00	—	25, 31, 41, 49
	12.00–12.30	25, 31, 49	25, 31, 41, 49, 254, 263, 326
	13.00–13.30	—	25, 31, 41, 49, 254
	14.45–15.00	25, 31, 49	25, 31, 41, 49, 254
	15.00–15.30	25, 31, 49	25, 31, 41, 49, 254, 263, 326
	16.00–16.30	—	25, 31, 41, 49, 254
	16.30–17.00	—	25, 31, 41, 49, 254, 263
	17.00–17.30	—	254, 263
	17.30–18.00	—	254
	18.00–18.30	—	254, 263
	18.30–19.00	—	254
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ARMED FORCES RADIO and TELEVISION SERVICE

ADDRESS: Office of Armed Forces Information and Education. Washington 25. D. C.
This office exercises overall policy control of the Armed Forces Radio and Television Service. The mission of AFRTS is to keep United States service men and women stationed outside the States the best informed service personnel in the world on current events. **All broadcasts are in English.** Entertainment and educational programs go out in disc form, to be broadcast to local military audiences by 69 armed forces radio stations in overseas areas. News, sports and other timely matter is beamed overseas directly by twelve powerful transmitters on the U.S. Atlantic and Pacific coasts. These shortwave broadcasts serve both the overseas radio stations, which relay them locally, and the more remotely situated individual military listeners with their own shortwave radio receivers. Programmes other than news and locally produced programmes are derived directly from the U.S. Commercial Networks. News is compiled directly from the wires of A.P., N.P. and JNS.
AFRS presents regular shortwave programmes from both Los Angeles and New York City, using the transmitters of the Voice of America.

EUROPEAN SERVICE (from New York)

ADDRESS: Officer in Charge, Armed Forces Press, Radio and Television Service, 641 Washington Str., New York 14, N.Y.

LEADING PERSONALITIES: Military personnel.

DAILY PROGRAMMES: from 18.00–22.45 – 50 kW – Period: All year.

Call			Target Area
WRUL–3	9530 kc/s	31.48 m	Europe
WRUL–2	11740 –	25.55 –	Greenland
WBOU–4	15150 –	19.80 –	N. Africa
WBOU–2	15440 –	19.43 –	Europe
WBOU–5	17780 –	16.87 –	Carribean (from 18.15)

N.: D. 22.30; Mo.-Fri.: 19.00, 20.00, 21.00, 22.00. Sat., Sun. 18.10.

CONFERENCE PERIOD: D. 18.00–18.10. Program information. Master schedule read twice each month (1st and 15th during this period).

ANNOUNCEMENT: "This is the United States Armed Forces Radio Service in New York. The Voice of Information and Education".

VERIFICATION by QSL-card. Return postage not required. Mail your comments and requests to: Armed Forces Radio Service, N.Y. 14. N.Y.

PACIFIC SERVICE (from Los Angeles)

ADDRESS: Armed Forces Radio & Television Service, 1016 North McCadden Place, Los Angeles 38, California.

LEADING PERSONALITIES: Officer in Charge: Lt. Colonel James H. Rose, U. S. Air Force. Chief Shortwave Branch: Robert C. Goodman.

DAILY PROGRAMMES: 01.00–14.15.

Call	kc/s	m	kW		Beam
KCBR–3	6040	49.67	50	07.30–14.15	Japan-Korea
KNBH–1	9515	31.53	200	06.30–07.30	Japan-Korea
KCBR–4	9570	31.35	100	04.00–12.00	Alaska-Aleutians
KCBR–2	9700	30.93	50	07.30–14.15	Japan-Korea
KCBR–5	11710	25.62	100	04.15–06.30	Philippines-Marianas
KCBR–4	11710	25.62	100	12.15–14.15	Caribbean
KCBR–1	11810	25.40	200	01.15–06.30	Caribbean
KCBR–3	11860	25.30	50	01.00 07.00	Japan-Korea
KCBR–4	15130	19.83	100	01.15–03.45	Alaska-Aleutians
KCBR–4	15130	19.83	100	22.00–01.00	Japan-Korea(Sat.only)
KCBR–2	15340	19.56	50	01.00–07.00	Japan-Korea
KCBR–5	17770	16.88	100	01.00–04.00	Philippines-Marianas

Major frequency changes occur in the spring, fall, and winter. Minor adjustments in frequencies are announced in "Conference Period" as they take place.
N.: Hourly from 01.00–14.00, except when altered for special programming. – Dictation N.: Mo.-Fri.: 09.15–10.00.

CONFERENCE PERIOD: 01.15 and 06.45 (Tues.-Sun.), 04.15 and 06.45 (Mo.), contains important information on frequency changes, programming and special events.

SCHEDULE READING: There is a 30-minute dictation speed reading of the AFRTS Shortwave Master Schedule twice a month on the 1st and 15th GMT at times announced on Conference Period.

ANNOUNCEMENT: "This is the United States Armed Forces Radio and Television Service, The Voice of Information and Education".

VERIFICATION by QSL-card. Return postage not required.

PROGRAM-SCHEDULE available on request.

WORLD WIDE BROADCASTING SYSTEM

ADDRESS: One East 57th Street, New York 22, N.Y. **Cable:** "Shortwave".

LEADING PERSONALITY: President: Walter S. Lemmon.

FOREIGN SERVICE

STATIONS: R. Boston – WRUL – 20/50/80 kW.

kc/s	m	kc/s	m	kc/s	m	kc/s	m
9530	31.48	11740	25.55	15220	19.71	15350	19.54
9585	31.30	11770	25.49	15280	19.63	17750	16.90
9675	31.01	11780	25.47	15285	19.63	17780	16.87

EUROPEAN SERVICE: 19.30–22.00 (in Summer one hour earlier) 25, 19, 16 m.b.
Dutch: Sun. 20.00–20.15 (Lutheran Progr.).
Swedish: Mo. 20.00–20.30 (Lutheran & Cultural Progr.).
Norwegian: Tues. 20.00–20.15 (Lutheran & Cultural Progr.).
Spanish: 21.35–22.00.
N. in English: 21.15.

LATIN AMERICAN SERVICE: 22.30–01.30 (Thurs.–Sat. 01.45) in 25, 19, 16 m.b. (from 00.00 also in 31 m.b.).
English: 23.00–00.15; **Portuguese:** 22.30–23.00. **Spanish:** 00.15–01.30 (Thurs.–Sat. 01.45).

ANNOUNCEMENT: "This is the Voice of Freedom, Station WRUL in Boston, Massachusetts, U.S.A.".

INTERVAL-SIGNAL: New World Symphony. **Verification** by QSL-card. Return postage not required.

PRIVATE STATIONS

EDUCATIONAL STATIONS (non-comm.)

ADDRESS: U.S. Office of Education, Washington 25, D.C.
LEADING PERSONALITY: Dr. Franklin Durham.
870 kc/s 50 kW WWL N. Orleans, L. – 1030 kc/s 50 kW KWBU Corp. Chr., Te. – In operation $^{31}/_{12}$ 54: 30 AM st., 130 FM st.

MUNICIPAL BROADCASTING SYSTEM (non-comm.)

ADDRESS: Studios: Municipal Building, New York 7.

LEADING PERSONALITIES: Under direct supervision of Honorable Robert F. Wagner, Mayor of the City of New York. – Director: Seymour N. Siegel.
WNYC 830 kc/s 361.2 m 1 kW: 11.00–03.00 – WNYC-FM 93.9 mc/s 1 kW: 11.00–08.00.

GENERAL ELECTRIC COMPANY (Educational and Goodwill Station).

RADIO STATION KGEI. (General Electric Company)

ADDRESS: Post Office Box 47, San Francisco, California.

LEADING PERSONALITIES: Pres. General Electric Comp.: Ralph J. Cordiner. Mgr. Broadcasting Stations Dept. General Electric Comp.: R. B. Hanna.

STATIONS: "University of the Air"KGEI 50 kW. Directional Latin America: 01.25–03.00 Oct.–Feb. on 9550 kc/s. March–Sept. on 15290 kc/s. 23.25–01.15 all year 15290 kc/s.
Prgr. Preview 23.25. – **Music:** 23.30. – **Latin American Forum:** 00.00. – **Music:** 00.20. – **Identification Music:** 01.25. – **Mailbag:** 01.30. – **Music:** 02.00. – **Latin American Forum:** 02.30. – **Music:** 02.45.
Latin American Forum consists of Interviews and Talks.

ANNOUNCEMENT: **English:** "This is General Electric Station KGEI, San Francisco, California". – **Spanish:** "Habla la Universidad del Aire, desde la estacion de la General Electric en San Francisco de California". – **Portuguese:** "Fala a Universidade do Ar, da estaçao da General Electric, KGEI, em Sao Francisco, da California".

INTERVAL-SIGNAL: Signs off with: "La Golondrina" (Hispanio American Music). – **VERIFICATION** by QSL-card. Listeners reports wanted. Return postage not required. – **FUTURE PLANS:** We hope to secure the use of a second transmitter (100 kW) in order to broadcast on both frequencies simultaneously. This may be possible in the early winter of 1955.

INTERNATIONAL BROADCAST STATION KGEI is operated by the GENERAL ELECTRIC COMPANY with the aim of promoting friendship and understanding between the peoples of the Americas. The KGEI programs feature good music and informative talks and interviews in Spanish and Portuguese. No political or commercial propaganda is broadcast. Listener's reports from all parts of the world are welcomed. Each listener who writes to KGEI is sent a program schedule and an illustrated folder on the station.

COMMERCIAL STATIONS: In operation 31/12 54: 2487 AM st., 260 FM st.,

Medium Wave Stations, 10 kW and more.

Stations operate mostly between approx. 11.30–05.00 in winter and 10.30–04.00 in summer.

kc/s	kW	Call	Town/Prov.	kc/s	kW	Call	Town/Prov.
540	10	WRCA	**Haines City, Fl.**	710	10	KGNC	**Amarillo, Te***
640	50	KFI	L. Angeles, C.*	710	50	KIRO	**Seattle, W***
650	50	WSM	Nashville, T.*	720	50	WGN	Chicago Ill.*
660	50	WRCA	**N. York, N.Y.***	740	10	KBIG	**Avalon, C.**
670	50	WMRQ	Chicago, Ill.*	740	50	WBAM	**Mtgmery, Al.**
680	50	KNBC	S. Franc., C.*	740	10	WPAQ	Mt. Alry, N.C.
680	10	WCBM	**Baltim., M***	740	50	KCBS	**S. Franc., C***
680	50	WNAC	**Lawrence, Ma***	740	50	KRMG	**Tulsa, Ok***
680	50	WPTF	**Raleigh, C.***	740	50	KTRH	**Houston, Te.***
680	10	WMPS	**Memphis, T.***	740	10	KACE	**Dallas, Te.***
680	50	KENS	**S. Ant., Te.***	740	10	KSTL	**S. Louis, Mis.**
690	50	WVOK	**Birmingh., A.***	750	50	WSB	**Atlanta, Ge.***
690	10	KGGF	**Coffeyv., K.***	750	10	KXL	**Portland, Or.**
690	10	KEPO	**El Paso, Te***	760	50	WJR	**Detroit, Mi***
690	10	WCYB	Bristol, V.	770	50	KOB	**Albuq., N.M.***
700	50	WLW	Cincinnati, O*	770	50	WABC	N. York, N.Y.
710	10	KMPC	**L. Angeles, C.***	780	50	WBBM	Chicago, Ill.*
710	50	WGBS	**Miami, Fl.***	810	50	KGO	**S. Franc., C.***
710	10	KTBS	**Skreveport, L***	810	50	KCMO	**Kans. C., K.***
710	10	WHB	**Kans. C., K.***	810	50	WGY	**Schenec)., N.Y.**
710	50	WOR	**N. York, N. Y.*** (also 570 kc/s)	820	50	WFAA	Dallas, Te
820	50	WBAP	Ft. Worth, Te.	850	10	WNAO	**Raleigh, N. C.*** (also 570 kc/s)
830	50	WCCO	**Min.apol., Min***	860	10	KTBR	**Modesto, C.***
840	50	WHAS	Louisv., Ke.*	860	10	WOAY	Oak Hill, W.V.
850	10	WTLD	**Birmingh. A.***	860	10	KOAM	**Pittsburg, K.***
850	50	KOA	Denver, Co.*	880	50	WCBS	**N. York, N.Y.***
850	50	WHDH	**Boston, Ma.***	890	50	WLS	Chicago, Ill.*
940	50	KFRE	**Fresno, C.***	1010	25	KRVN	**Lexingt., Ne.***
940	50	WINZ	**Hollyw., Fl.***	1010	50	WINS	**N. York, N.Y.***
940	10	WMAZ	**Macon, Ge.***	1010	10	KLAR	Little Rock, Ar
940	10	KIOA	Des Moines, I.*	1010		KPOO	
980	10	WHOO	**Orlando, F..***	1020	10	KFUD	**L. Angeles, C.***
990	10	WIBG	**Philad., P.***	1020	50	KDKA	Pittsburgh, P*
990	10	WNOX	**Knoxville, T.***	1030	50	WBZ	**Boston, Ma.***
990	10	KEDX	**Wich. Falls, Te.***	1030	10	KOB	**Albuq., N.M.***
1000	50	WCFL	**Chicago, Ill.***				
1000	50	KOMO	**Seattle, W.***	1060	50	WNOE	**N. Orleans, L.***
1010	50	WEAS	Decatur, Ge.*	1060	50	KYW	**Philad., P.***
1040	50	WHO	Des Moines, I.*	1070	10	WAPI	**Birmingh., A.***
1050	50	WMGM	**New Y., N.Y.***	1070	50	WDIA	**Memphis, T.***
1060	10	KXOC	**Cluco, C.***	1070	10	WKOW	**Madison, Wi.***
1070	50	KNX	L. Angeles, C.*				
1070	50	WIBC	**Indianap., Ind.***	1130	50	WNEW	**N. York., N.Y.***
1070	10	KFBI	**Wichita, K.***	1140	10	WMIE	**Miami, Fl.***
1080	50	WTIC	**Hartford, Con.***	1140	10	KGEM	**Boise, Id.***
1080	10	KWJJ	**Portland, Or.***	1140	10	KSOO	**Sioux F., S.D.**
1080	50	KRLD	**Dallas, Te.***	1140	50	WRVA	**Richmond, V.***
1090	50	KTHS	**Little R., Ar.***	1160	50	WJJD	**Chicago, Ill.***
1090	50	WBAL	**Baltim., M.***	1160	50	KSL	**Salt Lake City***
1090	50	KING	**Seattle, W.***	1170	10	WCOV	**Mtgomery, A.***
1100	50	WTAM	Cleveland, O.*	1170	50	KVOO	**Tulsa, Ok.***
1110	10	KXLA	**Pasadena, C.***	1170	50	WWVA	**Wheeling, W.V.**
1110	50	KFAB	**Omaha, Ne.***	1180	50	WHAM	**Rochest, N.Y.***
1110	50	WBT	**Charlotte, C.***	1190	50	WOWO	**Ft. Wayne, In.***
1120	50	KMOX	**St. Louis, Mis.***	1190	50	KEX	**Portland, Or.***
1130	50	KWKH	**Skreveport, L.***	1200	50	WOAI	**S. Anton., Te.***
1130	10	WCAR	**Detroit, Mi.***	1530	50	KBGS	**Harling., Te.***
1130	50	WDGY	**Minneap. Min.***	1540	50	KXEL	**Waterloo, I.***
1210	50	WCAU	Philadelph., P.*	1540	10	KPOL	**Los Ang., C.***
1220	50	WGAR	**Cleveland, O.***	1540	50	WPTR	**Albany, N.Y.***
1500	50	WTOP	**Washingt., D.C.***	1540	10	KCUL	**Ft. Worth, Te.***
1500	10	WJBK	**Detroit, Mi.***	1550	10	WBCS	**Bennetsv., SC.***
1500	50	KSTP	**St. Paul, Min.***	1550	10	KEAR	**S. Franc., C.***
1510	50	WLAC	**Nashville, Te.***	1560	10	WQXR	**N. York, N.Y.***
1510	50	KGA	**Spokane, W.***	1560	10	KPMC	**Bakersf., C.***
1520	50	WKBW	**Buffalo, N.Y.***	1580	10	KOWL	**St. Monica, C.***
1520	50	KOMA	**Okl., C., Ok.***				
1530	50	KFBK	**Sacram., C.***				
1530	50	WCKY	**Cincinnat., O.***				

NB: The names in heavy types mean that the station transmits day and night. *)=d.

RADIO STATION WBAP – **Addr.:** R. Stahon WBAP, 3900 Barnett Str., Forth Worth 5, Texas. **L.P.:** Pres.: Amon Carter; Dir. H. Hough; Gen. Mgr.: G. Cranston; Dir. Prgr.: A. M. Woodford; Dir. Tec.: R. C. Stinson; Dir. Promotion: Margret Mc-Donald. **D. Prgr.:** 11.30–06.00 on 570 and 820 kc/s. FM 100.5 mc/s, 51 kW: 21.00–05.00 (music only). – **Interval Signals:** Cowbell. **Verification** by letter accompanied by prgr. schedule. Return postage is not required.

KFRE – FM: – **Addr.:** T. W. Patterson Bldg., Fresno. Calif. – **L.P.:** Pres. Gen.: Mrg. P. R. Bartlett. Station Mgr.: E. J. Frech; Dir. Tec.: K. L. Mealey; Dir. Prgr.: Hal O'Donnell. – **D. Prgr.:** 13.30–08.00. FM 93.7 mc/s 70 kW: 00.00–07.00. – **N.:** W. 14,00, 15,00. 01.15, 06.00 and Mo.–Fri. 16.00, 20.15, 02.15. Sun. 16.30, 01.30. – **Time Signals:** Each quarter hour. – **Verification** by letter. Return postage not required.

WHO ("Voice of the Middle West") – **FM:** **Addr.:** 1100 Walnut St.; Des Moines, Iowa. – **L.P.:** Pres. Col. B. J. Palmer. Exec. V. Pres.: R. Ewans, Mgr.: P. A. Loyat. – **D. Prgr.:** 24 hours daily. **FM.**, 100.3 mc/s. 24 kW: 15.00–03.00. – **Verification** by letter. Return postage not required.

F. Denten – **VERIFICATION** by card or letter. Return postage not required.

KNX – FM: **Addr.:** 6121 Sunset Blv., Hollywood 28 California. – **L.P.:** Gen. Mgr.: W. D. Shaw. Dir. Prgr.: R. P. Sutton. Dir. Tec.:

WTIC – FM: **Addr.:** (Travelers Broadc. Service Corp.) 126. Grove Street, Hartford, Connecticut. – **L.P.:** Pres. Gen. Mgr.: P. W. Morency, Prgr. Mgr.: L. J. Patricelli. Dir. Tec.: H. D. Taylor. Publ. Relations: B. Mullins. – **D. Prgr.:** W. 10.15–06.00. Sun. 12.30–05.00. FM. 26.5 mc/s 20 kW; **N.:** W. 10.25, 10.55, 11.25, 11.55, 13.00, 14.25, 17.00, 18.00, 19.45, 23.00, 04.00, 05.00, 05.55. – **Time Signals:** On the hour from 11.00–06.00. – **Verification** by letter. Return postage not required.

WCAU – **FN:** **Addr.:** City Line and Monument Rd., Philadelphia 31, Pensylvania. – **L.P.:** Pres., Gen.: Man. D. W. Thornburgh. Prgr. Dir.: J. T. Connolly. Dir. Tec.: J. G. Leitch. – **D. Prgr.:** 24 hours daily. FM. 10.45–05.00. N.: 10.00, 12.00, 12.45, 13.55, 14.55, 21.55, 04.00, 05.00.

AMERICAN BROADCASTING CO. A.B.C.
Address: 7 West 66th. Str., New York 23.

NATIONAL BROADCASTING COMPANY
Address: Radio City, New York 20, N.Y.

COLUMBIA BROADCASTING SYSTEM
Address: 485, Madison Square, New York 22.

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Address: 1440 Broadway, New York 18, N.Y.

KEYSTONE BROADCASTING SYSTEM
Address: 111 W. Washington Str., Chicago 2.

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RADIO ST. PIERRE (Govt.)

HOME SERVICE in French:
560 kc/s 535 m 0.25 kW W. 23.00–24.00. Sun. 22.00–24.00

VERIFICATION by letter. Return postage required.

PORTUGAL: The Board of Directors of the Emissora Nacional. From left: Dir. Adm., Dr. A. Stichini Villela; Pres. of the Board: Antonio d'Eca de Queiroz; Dir. Tec. Engineer Manuel Bivar.

USA St. Pierre et Miquelon Stichini Villela Antonio d'Eca Queiroz Manuel Bivar

UNITED NATIONS

Total population of Member States (60) of the United Nations approx. 1.800.000.000.

ADDRESS: Radio Division, United Nations, New York. Cable: Unations, New York.

LEADING PERSONALITIES: Dir. of United Nations Radio Division: Peter Aylen. Chief of Production: W. Gibson Parker. Chief of Central Radio Services: Eugenio Soler-Alonso. Chief of Special Projects: Gerald Kean. Regional Chiefs: Marco Gandasegui. Michael Hayward, Hans Van Struwe, Paul Bouchon, Vladimir D. Loginov, Mike Peng, N. Rashed, Aly Khalil., G. L. Obhrai. Reports Desk.: Paul Jankowski. Technical. Service: A. E. Barret. Television Service: Emery Kelen.

SCHEDULE OF SHORT-WAVE BROADCASTS:

W. AND S. EUROPE: Mo.–Fri. 17.15–19.07. WBOU 15280, 11870, HBQ 6675 kc/s.

17.15 UN N Danish	18.10 UN N Turkish
17.25 UN N French	18.17 UN N Greek
17.40 UN N Serbo-Croat	18.30 UN N Arabic
18.00 UN N English	19.00 UN N Dutch*

*) Mo, Wed, Fri.

MIDDLE EAST: Mo.–Fri.: 18.30–19.00. UN: N. and Prgr. in Arabic
Tangier 11710 kc/s 25.62 m WBOU 11870 kc/s
WBOU 15280 – 19.63 – HBQ 6675 –

MIDDLE EAST II: Tues.–Sat.: 04.00–05.15. Tangier 9740 (30.80 m), 7200 (41.67 m) kc/s.

0400 UN N Persian	0450 Arab Delegations Talks
0420 UN N Hebrew	0500 UN N Arabic (Cyprus)
0425 UN N Amharic	0505 Arab Delegations Talk
0435 UN N Arabic	

This prgr. is transmitted to Tangier at 0400–05.15 on WLWO 6.040 kc/s. – WLWO 9.545 kc/s. and WLWO 6.155 kc/s.
12.45–14.00: Repeat Middle E. II i Tangier 15345, 17855 kc/s.

EUROPE AND MIDDLE EAST:
Broadcast in English & French of meetings of the General Assembly and the Security Council when in session 15.30–17.15 WBOU 15280 kc/s; 20.00–22.45 WBOU 15280, 11870 kc/s.

LATIN AMERICA AND CARIBBEAN: Mo.–Fri. 23.00–00.20. 23.00. UN N., Prgr. Spanish: WDSI 15270, WBOU 11890, WGEO 9530 kc/s. 23.45 UN. N. Prgr. Spanish: WDSI 15270, WBOU 11890, WLWO 11710, WGEO 9530 kc/s. 00.00–00.15: UN. N. Prgr.: Portuguese 00.15–00.20: UN. N. French WBOU 15210, WDSI 11790/9650, WGEO 9530 kc/s.

LATIN AMERICA: Tues.–Sat.: 02.00–03.00. UN. N. and Prgr. in Spanish: KNBH 11790, WLWO 11710, WLWO 9700, KNBH 9650 kc/s.

S. W. PACIFIC: Tues.–Fri.: KNBH 21610, 17760 kc/s. 01.15–01.20 UN. N. English: Sat. UN Prgr. English.

S.W. PACIFIC: Sat. 03.00–03.05 UN. N. English KNBH 15270, 17830 kc/s.

S. E. ASIA: Tues. –Sat.: 10.00–10.30, Manila 15245, 11890 kc/s. 10.00 UN. Prgr. Tagalog – 10.10 UN N. Indonesian. – 10.20 UN. N. Thai. This prgr. is transmitted to Manila at 07.00–07.30 on KNBH 11.775 kc/s. KCBR 9.600 kc/s and KCBR 6.185 kc/s.

S. E. ASIA: Sat.: 01.30–01.45 UN. Prgr. French (Saigon). Manila 15.245, 11895 kc/s.
This prgr. is transmitted to Manila at 01.00–01.15 on KNBH 21.460, 17.830 kc/s, the Philippine Relay Station on 11.790, 15.330 kc/s.

FAR EAST: Tues.–Sat.: 10.30–11.00: UN. Prgr. Chinese. Manila 15.245, 11.890 kc/s.
This prgr. is transmitted to Manila at 07.30–08.00 on KNBH 11.775 kc/s, KCBR 9.600, 6.185 kc/s.

FAR EAST: Daily: 10.15–10.30. UN. N. Korean. Manila 15330 kc/s. This prgr. is transmitted to Manila at 08.00–08.15 KNBH 11.775 kc/s. KCBR 9.600, 6.185 kc/s.

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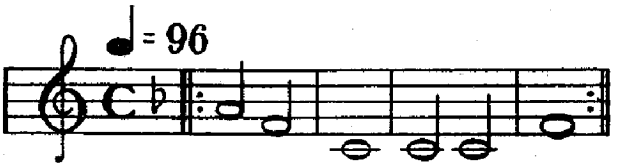
15.45–16.10: Mo.–Fri.: UN. Russian Prgr. HBX 9515 kc/s. –
"Que Font les Nations Unies" is heard every Wed. and Fri. at 21. 35 GMT over Sottens, the Swiss Regional Network on 390 m.

ANNOUNCEMENT: "This is the United Nations calling the Peoples of the World". This introductory phrase is used in all the official UN programs in all of the languages concerned.

INTERVAL-SIGNAL:



Message to Listeners: The Radio Division is anxious to establish contact with as many listeners as possible and will gladly acknowledge all communications. All correspondents will receive a United Nations Radio Verification Card, new correspondents being sent a programme schedule and some general information about the United Nations and the specialized Agencies. – Correspondence, requests for copies of the schedule of UN broadcasts, which can be heard in the United States, should be addressed to: United Nations, N.Y., U.S.A. or to the Director of the nearest UN Information Centre. These centres are located in Athens, Belgrade, Bogota, Buenos Aires, Cairo, Copenhagen, Geneva, Karachi, London, Mexico City, Monrovia, Moscow, New Delhi Paris, Prague, Rio de Janeiro, Shanghai, Jakarta, Manila, Sydney, Teheran and Washington.

CENTRAL AMERICA

BAHAMAS

BAHAMAS BROADCASTING SERVICE (Govt.)

ADDRESS: Telecommunications Dept. P.O.Box 48. Nassau.
Cable: "Gentel". – LEADING PERSONALITY: Dir. K. R. Igraham O.B.E. AIEE, MJRE. Director Tecnic: R. E. Knowles. Station Manager. H. R. Bethel.

HOME SERVICE in English: ZNS 1540 kc/s 195 m 5 kW 12.00–03.00 Local N.: 13.15, 18.15, 00.15. Official Broadc. and Prgr. Preview: 13.50, 18.50 – BBC relays N.: 13.00, 23.00, 02.00. – Weatherrep.: 13.45, 17.45. – VERIFICATION by QSL-card/letter.

BARBADOS

BARBADOS REDIFFUSION SERVICE LTD.
(Operated by Cable & Wireless Ltd.).

ADDRESS: Trafalgar St., Bridgetown, M.5.

STATION: ZNX32 7547 kc/s 39.75 m 5 kW in English.
International cricket, tennis and turf club race meetings beamed to Trinidad, British Guiana & Jamaica approx. 16.30–21.30 Sat. and Thurs. at the beginning of March and August and medio November only. VERIFICATION by letter.

BERMUDA

BERMUDA BROADCASTING CO. LTD., (Comm.)

ADDRESS: Radio Station ZBM Pitts Bay Road, Hamilton. Cable: ZBM – Bermuda.

LEADING PERSONALITIES: Pres.: H. J. Tucker jun. Gen. Man.: R. G. Wilmot. Comm. Man.: W. Staskow. Dir. Progr.: D. Carey.

HOME SERVICE in English and Portuguese:
ZBM1: 1235 kc/s 242.9 m 0.25 kW: W. 10.00–04.00. – Sun. 12.30–03.00.
ZBM2: 1340 kc/s 223.3 m 0.25 kW: W. 14.00–22.00. Sun. 13.00–03.00.
N.: 11.45, 16.45, 18.00, 19.00, 20.00, 21.00, 22.00, 23.00, 01.00, 02.00, 03.30. Portuguese 1½ hours per week.

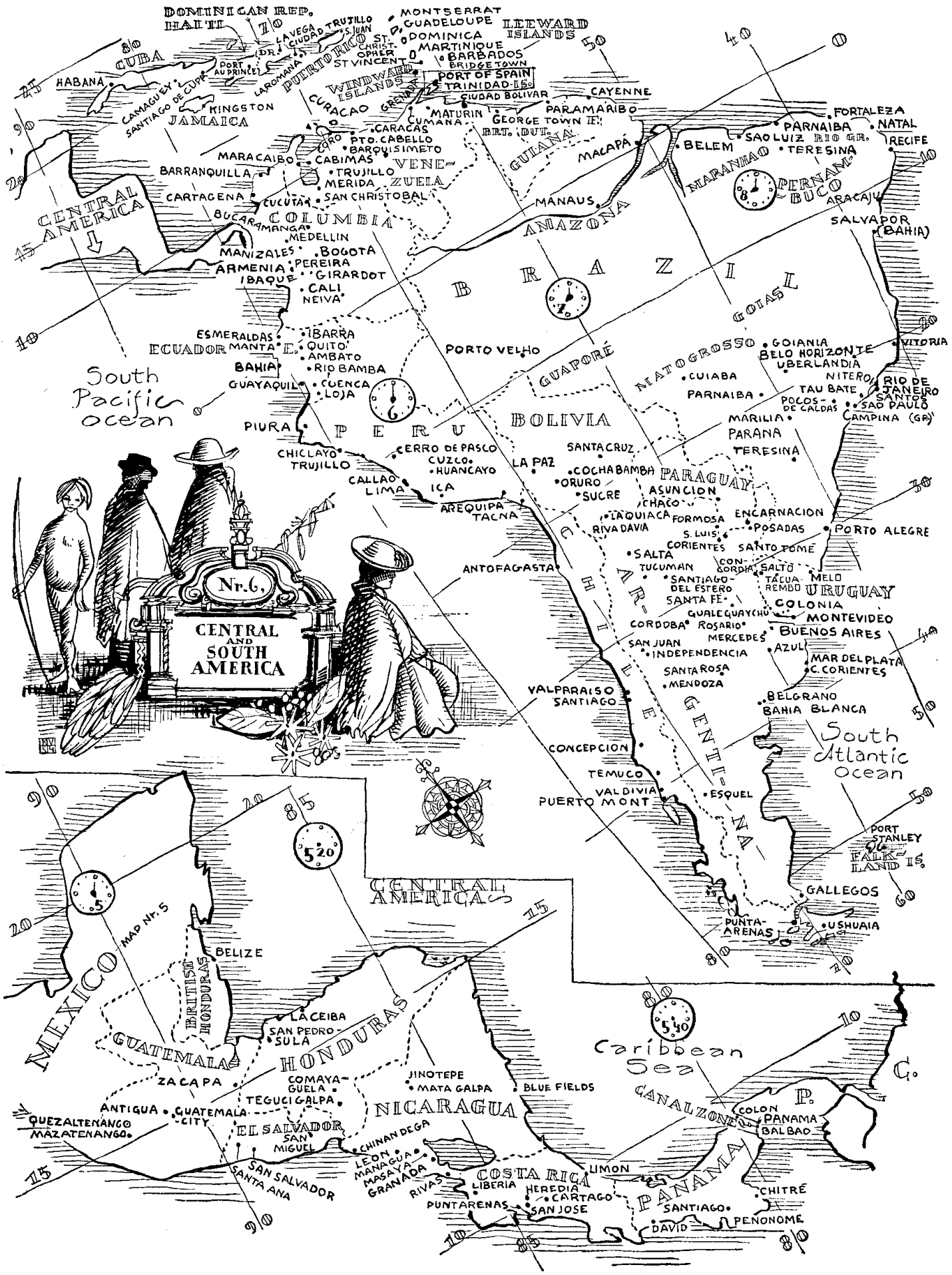
ANNOUNCEMENT: "These are the stations of the Bermuda Broadcasting Comm. This is ZBM1 (or ZBM2)." – VERIFICATION by letter or QSL-card. Return postage appreciated, but not demanded.

COSTA RICA

All stations commercial except TIFC and TIUCR.
Language Spanish except where indicated.

STATIONS:
Short Waves

Call	kc/s	m	kW	m.w.		
TIGPH	5875	51.06	1	605	Alma Tica	12.00–04.00
TIQ	5995	50.08	1	555/1175	R. Casino	12.00–05.00
TIHBG	6006	49.95	0.75	690	R. Cristal	12.45–05.00
TIFC-2	6037	49.69	2	995/1015	Faro del Caribe	12.00–05.00
TIGG	6075	49.38	0.5	1060	R. Excelsior	12.00–05.00



map South America Central America

TIRH	6150	48.78	0.25	970	R. El Mundo	02.30–05.00
TILS	6165	48.66	2	880	Para Ti	16.00–04.30
TIGPH4	6180	48.54	3	800	Nueva Alma Tica	12.00–05.00
TIDCR	9615	31.20	3	625	Diario de Costa Rica	12.00–05.00
TIFC-3	9645	31.10	2	995/1015	Faro del Caribe	12.00–05.00
TINRH	9692	30.953	3	710	La Voz de Costa Rica	15.00–17.00 22.00–03.00
TIOCHO	9714	30.88	1	1100	La Voz del Hogar	
TIRS	11972	25.06	3	920	R. Athena	24 hours

Medium Waves

Call	kc/s	kW	s.w.	Call	kc/s	kW	s.w.
TILJ	535	0.9	1)	TIJJC	1080	1.5	14)
TIQ	555	0.2	5995	TIMACHO	1100	1	9714
TIJJM	575	1.5	2)	TISM	1125	1	15)
TIJC	590	2	3)	TILX	1150	2	16)
TIGPH	605	6.5	5875	TIQ	1175	0.5	5995
TIDCR	625	6	9615	TIBSD	1195	1	17)
TIBAS	650	8	4)	TIALC	1210	3	18)
TIU	670	2	5)	TIUCR	1235	1	19)
TIBH	690	2	6006	TIGV	1250	3	20)
TINRH	710	0.75	9692	TISBJ	1275	2	21)
TIRA	735	1	6)	TIJC	1300	2	22)
TIW	750	3	7)	TICRC	1325	2.3	23)
TIWW	775	1	7)	TIMAR	1350	1	24)
TIGPH2	800	3	6180	TIJR	1375	1	
TISA	830	3	8)	TIRA	1400	1	25)
TICS	855	5	9)	TIAM	1425	2	
TILS	880	5	6165	TIXLA	1450	2	
TILC	900	5	10)	TIRB	1470	2	
TIRS	920	10	11972	TIXX	1490	3	26)
TIOS	940	0.5	11)	TILA	1530	1	27)
TIAC	955	2	12)	TIRC	1550	1	
TIRH	970	0.5	6150	TIRE	1570	2	28)
TIFC	995	10	9645*	TIGSO	1590	3	
TIFC-4	1015	1	6037	TIJH	1605	1	
TIWG	1040	0.5	13)	+ 4 low power stations less than 1 kw* d. NW/SE			
TIGG	1060	1	6075				

Where no times indicated, regular schedule: 12.00–05.00.

Location San Jose exc. where indicated:
1) R. Zurgui, S. Vicente Mora. 2) Ecos del Poas, Alajuela. 3) Radiopolis. 4) R. Monumental. 5) Progreso. 6) America Latina. 7) R. City. 8) La Voz del Tropico. 9) La Voz de America. 10) R. Hispana, Cartago. 11) Titania. 12) R. Accion Catolica. 13) R. Sonora. 14) R. Belgrano. 15) Reina del Espacio. 16) R. Columbia. 17) R. Paramount. 18) R. Universal. 19) Universidad. 20) R. Nacional. 21) R. Libertad. 22) R. Musical. 23) Cia. Radiodif. Costarricense. 24) R. Tropical, Heredia. 25) R. Discolandia. 26) R. Costa Rica. 27) La Voz del Universo, Heredia. 28) R. Emmaus.

ALMA TICA – 5875/605 kc/s: **ADDRESS:** Apartado 800, San Jose. **LEADING PERSONALITY:** Dir. and Owner: Gonzalo Pinto H.

R. CASINO – 5995/555, 1175 kc/s: **ADDRESS:** Limon. **LEADING PERSONALITY:** Dir. and Owner: Francisco Garron S.

R. CRISTAL – 6006/690 kc/s: **ADDRESS:** Apartado 341, San Jose. **LEADING PERSONALITY:** Dir. and Owner: Roger Baraliona G. **ANNOUNCEMENT:** "Emisoras de Radio Cristal en San Jose". **VERIFICATION** by letter.

FARO DEL CARIBE – 6037, 9645/995, 1015 kc/s: (Cultural).
ADDRESS: Apartado 2710, San Jose. **LEADING PERSONALITIES:** Dir.: Filip Smith. Dir. Tec.: David Solt.
DAILY PROGRAMMES: Spanish: 12.00 (Sun. 13.00)–04.00. N.: 12.25, 19.00, 24.00, 02.30. – **"The Classical Hour":** W. 16.00–17.00 –. **"The Symphony Hour":** W. 03.00–03.45. – **"Musical Caravan":** Mo.–Fri. 19.05. – **"English by Radio":** Sat. 01.30. – **English:** D. 04.00–05.00. 18.30–19.30. (Sun only). – **"Old** Fashioned Revival Hour": Mo. 04.00.
ANNOUNCEMENT: Spanish: "Este es TIFC, Faro del Caribe, iluminando el sendero de la vida". **English:** "This is TIFC Lighthouse of the Caribbean, lighting the pathway of life. – **VERIFICATION** by QSL-card. Return postage not required.

R. EXCELSIOR – 6075/1060 kc/s.
ADDRESS: Apartado Postal 1774, San Jose.
LEADING PERSONALITY: Dir. and Owner: Guillermo Grillo O.
ANNOUNCEMENT: "Emisoras de Radio Excelsior en San Jose, Costa Rica, Centroamerica". – **VERIFICATION** by QSL-card or letter.

R. EL MUNDO – 6150/970 kc/s:
ADDRESS: Apt. 1339, San Jose. **LEADING PERSONALITY:** Dir. and Owner: Rafael Hine Ch.

PARA TI – 6165/880 kc/s:
ADDRESS: Apartado 3, San Jose. **LEADING PERSONALITY:** Dir. and Owner: Walter Fernandes P.

NUEVA ALMA TICA – 6180/800 kc/s:
ADDRESS: Apartado 800, San Jose. **LEADING PERSONALITIES:** TIGPH4: Dir.: Leonel Pinto H. TIGPH2: Dir.: Gonzalo Pinto H.

DIARIO DE COSTA RICA – 9615/625 kc/s:
ADDRESS: Apt. 225, San Jose. **LEADING PERSONALITY:** Dir. and Owner: Mariono Sanz Soto.

LA VOZ DE COSTA RICA – 9692/710 kc/s:
ADDRESS: Lista de Correo, San Jose. **LEADING PERSONALITY:** Dir. and Owner: Amando Cespedes M.
D. PROGR.: N.: Sun. 00.00–01.00. – **ANNOUNCEMENT:** "La Voz de Costa Rica". – **VERIFICATION** by QSL-card.

RADIO EMISORA ATHENEA – 11972/920 (& 1250) kc/s.
ADDRESS: Apt. Postal 2208, San Jose. – **LEADING PERSONALITY:** Dir. & Owner: Orlando Soleta Montagne.

CUBA

All stations commercial exc. COX4/COX7. Language: Spanish.

STATIONS: Short Waves: H=Habana. C=Circuito.

Call	kc/s	m	kW	m.w.		H. tr.
COX7	4290	69.63	5	1560	Ministerio de Education	H. 14.00–04.00
COCW	5045	59.46	1	590	C. Nacional Cubano	H. 11.55–05.01
CMA5	5780	51.90	1		Cuban Transatlantic Radio Corporacion	H.
COCO	6010	49.92	5	980	Periodico del Aire	H. 11.55–05.05
COCD	6130	48.94	1	790	La Voz del Aire	H. 13.00–05.00
COCY	6450	46.51	1	550	R. Siboney	13.00–05.05
CMA5	8630	34.76	1		Cuban Transatlantic Radio Corporacion	H.
COBZ	9026	33.23	1	830	R. Salas	11.55–06.00
COBQ	9235	32.49	1	1420	R. Onda Musical Cubana	24 hours
COBC	9362	32.05	1	690	R. Progreso	H. 10.30–06.00
COCO	9535	31.46	5	980	Periodico del Aire	H. 11.55–05.05
COBQ	9540	31.45	1	1420	R. Onda Musical Cubana	24 hours
COJK	9620	31.19	1	920	Voz del Camagüeyana Camagüey	13.00–04.30
COX4	9640	31.12	5	1560	Ministerio de Educacion	H. 14.00–04.00
COCQ	9670	31.02	5	630	Circuito CMQ	H. 10.55–05.31
COKG	9740	30.80	1	630	Cadena Oriental de Radio, Stgo. de Cuba	11.55–06.00
CMA5	11560	25.92	1		Cuban Transatlantic Radio Corporacion	H.
COCY	11740	25.55	1	550	R. Siboney	13.00–05.05
COBH	11800	25.42	1	740	R. Cadena Habana	H. 12.00–06.00
CMA5	15505	19.34	1		Cuban Transatlantic Radio Corporacion	H.
CMA5	17260	17.05	1		do. do.	
COBZ	17820	16.84	1	830	R. Salas	H. 11.55–06.00
COBC	17850	16.81	1	690	R. Progreso	H. 10.30–06.00
COCY	21620	13.87	1	550	R. Siboney	13.00–05.05

Medium Waves: (1 kW and more).
All the stations in the provinces of Pinar del Rio, Matanzas, Las Villas, Camaguey and Oriente are affiliated and operated from Habana in circuits at the same hours, but for Nacional programs only.
Pinar del Rio Province. Approx. 11.00–05.00.
CMAB 740 kc/s 405 m 5 kW Emisora CMAB – CMAN 840 kc/s 357 m 1 kW C. Nacional Cubano – CMAQ 920 kc/s 326 m 1 kW Circuito CMQ. + 6 low power m.w. stations.

Habana Province

Call	kc/s	m	kW	s.w.		H. tr.
CMCY	550	545	15	*	R. Siboney	13.00–05.05
CMW	590	508	25	5045	C. Nacional Cubano	11.55–05.01
CMQ	630	476	50	9670	C. CMQ	10.55–05.31
CMCU	660	455	5		R. Garcia Serra	12.00–05.15
CMBC	690	435	50	9362 17850	R. Progreso	10.30–06.00
CMCD	760	395	10	6130	La Voz del Aire	13.00–05.00
CMCH	790	380	10	11800	R. Cadena, Habana	12.00–06.00
CMBZ	830	361	5/1	9026 17820	R. Salas	11.55–06.00
CMBL	860	349	15		R. Cadena Suaritos	14.00–05.00
CMCF	910	330	10		Union Radio	11.30–06.00
CMBF	950	316	10	9670	Onda Musical C. CMQ	10.55–05.31
CMCK	980	306	5	6010	Periodico del Aire	11.55–05.05

CMBQ	1010	297	5		R. Continental	12.55–06.00
CMCX	1060	283	10		Onda Hispano Cubana	13.00–05.00
CMCA	1150	261	10		R. Mambi	13.00–05.00
CMCI	1260	238	5	9740	Cadena Oriental de Radio	11.55–06.00
CMCB	1330	226	1		R. Reloj (Radiocentro)	10.53–05.31
CMZ	1560	192	5	4290 / 9640	Ministerio de Educacion	14.00–04.00

+14 low power m.w. stations less than 1 kW.
*) 6450/11740/21620 kc/s.

Matanzas Province
7 low power m.w. stations.

Santa Clara Province. Location: Sta. Clara exc. where indicated.
Approx. 11.00–05.00

CMHI	570	526	10	C. Nacional Cubano
CMHQ	640	469	15	C. CMQ

+ 21 low power m.w. stations of 1 kW or less.

Camaguey Province (Camaguey City). Approx. 11.00–05.00.

CMJL	920	326	10	CMQ
CMJD	1160	259	1*	

+ 23 low power stations of 1 kW or less. *) s.w. 9620.

Oriente Province. Approx. 11.00–05.00.

CMKM	560	536	5	Union R. Holguin
CMKJ	740	405	10	C. CMQ, Holguin
CMKL	800	375	2*	Cadena Oriental de Radio, S. de Cuba
CMKU	850	353	2	C. CMQ, S. de Cuba

+ 37 low power m.w. stations of 1 kW or less. *) s.w. 9740.
FM: 19 stations.

MINISTERIO DE EDUCACION – 4290, 9640/1560 kc/s.
ADDRESS: Concejo Corporativo, Columbia, Habana.

CIRCUITO NACIONAL CUBANO – 5045/590 kc/s.
ADDRESS: Calle O. Num. 216, Vedado, Habana.

CUBAN TRANSATLANTIC RADIO CORPORACION – 5780, 8630, 11560, 15505, 17260 kc/s.
ADDRESS: Obispo y Aguiar, Habana.

PERIODICO DEL AIRE – 6010, 9535/980 kc/s.
ADDRESS: Calzada de Simón Bolívar 314 Habana.

LA VOZ DEL AIRE – 6130/760 kc/s.
ADDRESS: Hotel Palace, 25 y G. Vedado, Apartado Correos 294. Habana. Cable: "Vozaire".
L.P.: Dir.: M. L. Dominguez. Adm.: F.A.L. Dominguez. Dir. Press Dept.: J. L. R. Araque.
ANN.: "La Voz del Aire", a sus gratas órdenes", every 15 minutes.
INTERVAL-SIGNAL: Gong.
VERIFICATION by QSL-card. Return postage required.

R. SIBONEY – 6450, 11740, 21620/550 kc/s.
ADDRESS: Paseo de Marti, 53, Habana.

R. SALAS – 9026, 17820/830 kc/s.
ADDRESS: San Rafael 108, Habana.

R. ONDA MUSICAL CUBANA – 9235/9540 kc/s.
ADDRESS: Vista Alegre 269, Vibora, Habana.

RADIO PROGRESO – 9362, 17850/690 kc/s.
ADDRESS: Ave. Menocal No. 105, Habana.
VERIFICATION by letter.

LA VOZ DEL CAMAGÜEYANO – 9620/920 kc/s.
ADDRESS: Finlay No. 4, Camagüey.
DAILY PROGR.: Relay CMQ.

CIRCUITO CMQ – 9670/630 kc/s.
ADDRESS: Radiocentro, Vedado, Habana.
LEADING PERSONALITIES: President: G. Mestre. Deputy President: A. Mestre. Dir. Tec.: R. L. Guiral. Asst. Man. Prgr. Dept.: R. M. Rodriguez. News: (not Mo.) 11.00. 11.21, 11.31, 11.58, 12.40, 15.55 (Sun.), 16.52 (W), 17.25(W), 22.58(W), 01.54(W), 04.00(W), 05.16(W).
ANNOUNCEMENT: "CMQ desde Radiocentro La Habana".
INTERVAL-SIGNAL: "Canto Siboney" played on organ.
VERIFICATION by QSL-card.

CADENA ORIENTAL DE RADIO – 9740/800 kc/s.
ADDRESSES: COKG/CMKL: Estrada Palma No. 658, Santiago de Cuba. CMCI: Campanario 215, Habana. Cable: "Cor". LEADING PERSONALITIES: Pres.: G. H. Rosell. Technical Dir.: A. M. Fernandez. Dir. Gen.: E. A. Miniet. Dir. News: E. C. Betancourt.
VERIFICATION by QSL-card.

R. CADENA HABANA – 11800/790 kc/s.
ADDRESS: San José Nr. 104, Habana. News: 17.30, 23.00, 01.00.

R. GARCIA SERRA – 660 kc/s.
ADDRESS: Paseo de Marti 260, Habana.

R. MAMBI – 1150 kc/s.
ADDRESS: Paseo de Marti No. 107, Habana.

R. CADENA SUARITOS – 860 kc/s.
ADDRESS: Calle 25 No. 1113, Habana.

UNION RADIO – 910 kc/s.
ADDRESS: La Rampa, 23 e Infanta, Habana.

R. CONTINENTAL – 1010 kc/s.
ADDRESS: Prado y Colon, Habana.

ARMED FORCES RADIO AND TELEVISION SERVICE
WGBY Guantanamo (Prov. Oriente) 1450 kc/s 0.05 kW. (USA Navy).

DOMINICAN REPUBLIC

DIRECCION GENERAL DE COMUNICACIONES
ADDRESS: Ciudad Trujillo, Distrito de Santo Domingo.
LEADING PERSONALITIES: Dir.: Gen. de Comunicaciones: Sr. Guarionex Saladin, O. G., M. M., Mayor Técnico de Comunicaciones, E. N.
All stations commercial. Language Spanish.
STATIONS 11.00–05.00

Short Waves:
HI3C 2440 – 1

Call	kc/s	m	kW	m.w.	
HI3C	2440	122.8	1		Casa Puerto Rico Inc., La Romana
1)HI1Z	3245	92.50	0.5	1350	BroadcastingNacional,C.Trujillo
2)HI7T	3285	91.34	1	620/1380	Voz Dominicana,C.Trujillo
3)HI2S	3345	89.68	0.2	1400	Onda Musical, C. Trujillo
4)HI3H	3355	89.42	0.5	1490	La Voz de la Alegria, C. Trujillo
5)HI4V	3375	88.89	0.5	1310	R.Bani "La Voz del Sur",Bani
6)HI5B	3385	88.63	0.5	1330	Santiago de los Caballeros
7)HI5C	4860	61.73	0.25	1250	La Voz del Progreso, S. Francisco de Macoris
8)HI3B	4910	61.10	0.5	1050	Santiago de los Caballeros
9)HI3K	4980	60.25	0.25	1310	Ondas del Yague, Santiago del. C.
10)HI8Z	5030	59.64	0.2	820	R. Santiago, Santiago de los C.
11)HI2L	5055	59.36	0.5	790	La Voz del Tropico, C. Trujillo
2)HI4T	5970	50.25	7.5	620/1380	La Voz Dominicana, C. Trujillo
12)HI1J	6025	49.79	0.1	610	La Voz de Oriente, San Pedro de Macoris
13)HI1N	6050	49.59	0.7	1220	La Voz de la Reeleccion, Santiago de los Caballeros
1)HI1Z	6112	49.08	1	1350	Broadcasting Nacional, C. Trujil.
14)HI1G	6130	48.94	0.25	950	Radiodifusora HIG, C. Trujillo
10)HI8Z	6140	48.86	0.5	820	R. Santiago, Santiago de los C.
15)HI1R	6160	48.70	0.2	1450	Voz de Fundacion, San Cristobal
16)HI9T	6090	48.47	0.1	1240	Broadcasting Tropical, Puerto Plata
14)HI2G	9590	31.28	0.25	950	Radiodifusora HIG, C. Trujillo
2)HI2T	9735	30.82	7.5	620/1380	Voz Dominicana, C. Trujillo

Medium Waves:

Call	kc/s	kW	s.w.	Call	kc/s	kW	s.w.
HI1J	610	0.5	6025	HI4C	1250	1/0.1	4860
HI3T	620	10	*)	HI3V	1310	0.5	3375
HI1L	790	0.5	5055	HI2K	1310	0.5	4980
HI9Z	820	1/0.1	5030/6140	HI4B	1330	0.5	3385
HIG	950	0.25	6130/9590	HIZ	1350	1	6112
HI8B	1050	1/0.1	4910	HI6T	1380	1	*)
HIN	1220	0.75	6150	HI2R	1450	0.25	6160
HI9U	1240	0.25	6190	HI2H	1490	0.2	3365

+ 8 low power stations. FM: 3 stations. *) 3285/5970/9735 kc/s.

BROADCASTING NACIONAL – ADDR.: Edificio Copello, calle El Conde, Ciudad Trujillo. L. P.: Dir. Ing.: Frank Hatton. ANN.: "Transmite Emisoras HIZ y HI1Z, C. Trujillo, La Republica Dominicana".

LA VOZ DOMINICANA – 3285, 5970, 9735/620, 1380 kc/s.

FM 100 mc/s (0.25 kW).

ADDRESS: Av. Ciudad de Miami No. 8, Ciudad Trujillo. Cable: "Dominicana". L.P.: Pres.: The General J. Arismendo Trujillo Molina. Dir. Gen.: A. E. Santamaria Demorizi. Dir. Tec.: A. Soto. Dir. Prgr.: A. O. Bussi. Dir. Press Dept. Sub. Dir. Adm.: L. B. Matos.

DAILY PROGR.: N.: 21.00–21.25, 03.00–03.30. – Weatherrep.: 01.30. – "Night Club": 04.00–05.00. – ANNOUNCEMENT: "Al Servicio de la Cultura y el Progreso en general, transmite La Voz Dominicana, desde Ciudad Trujillo, Distrito de Santo Domingo, Capital de la Republica Dominicana". – VERIFICATION: QSL-card. No Return postage required.

ONDA MUSICAL – ADDR.: Calle Dr. Faura No. 4, Ciudad Trujillo. L. P.: Dir. R. Pacheco.

LA VOZ DE LA ALEGRIA – ADDR.: Calle Real No. 119 (Villa Duarte), C. Trujillo. L. P.: Dir. R. T. Labrador.

RADIO BANI – LA VOZ DEL SUR – ADDR.: Calle Uladislao Guerrero No. 12, Barri. L. P.: Dir.: M. E. Bello Hilo.

ADDR.: Calle Maximo Gømez No. 14, Santiago de los Caballeros.

LA VOZ DEL PROGRESO – ADDR.: Calle Presidente Trujillo No. 41, San Francisco de Macoris. L. P.: Dir.: J. Raposo Peralta.

ADDR.: Calle 30 de Marzo No. 54, Santiago de los Caballeros. L. P.: Dir.: J. L. Sanchez.

ONDAS DEL YAGUE – ADDR.: Ed fic o El Rubio, 3r. piso., Santiago de los Caballeros. L. P.: Dir. R. Candelario Slenas.

RADIO SANTIAGO – ADDR.: Calle 30 de Marzo No. 25, Santiago de los Caballeros. L. P.: Dir. L. Felipe Moseoso C.

LA VOZ DEL TROPICO – ADDR.: Calle Abreu No. 30, Ciudad Trujillo. L. P.: Dir. J. C. Pellicer. VERIFICATION by QSL-card.

LA VOZ DE ORIENTE – ADDR.: Calle Sanchez No. 135, San Pedro de Macoris. L. P.: Dir.: F. M. Donastorg. VERIFICATION by QSL-card.

LA VOZ DE LA REELECCION – ADDR.: Calle Presidente, Trujillo esq. Benito Moncion, Santiago de los Caballeros. L. P.: Dir.: E. Pou.

RADIODIFUSORA HIG. – ADDR.: Avenida Mella No. 150, C. Trujillo. L. P.: D r.: A. C. Puello. ANN.: "Radiodifusora Nacional, Emisora HIG, Republica Dominicana".

LA VOZ DE FUNDACION – ADDR.: Hotel San Cristobal, San Cristobal. L. P.: Dir.: L. Alberti. ANN.: "Transmite la Voz de Fundacion des de San Cristobal, Republica Dominicana". VERIFICATION by QSL-card.

BROADCASTING TROPICAL – ADDR.: Av. Generalisimo Trujillo No. 34, Puèrto Plata. L. P.: Dir.: L. A. Pelegrin. VERIFICATION by QSL-card.

EL SALVADOR

All Stations commercial exc. Radio Nacional. Language: Spanish.

SHORT WAVES:

Call	kc/s	m	kW	m.w.	
YSDR	4800	62.50	1	820	R. Tropical, 12.30–14.30, 18.00–04.00(Sun. 06.00)
YSWW	5975	50.21	0.25		La Voz del Pueblo, 13.00–15.00, 18.00–20.00, 00.30–04.00
YSS	6010	49.92	5	650	R. Nacional, 18.00–19.00, 00.00–04.00
YSR	6050	49.59	0.75	990	La Voz de El Salvador, 12.00–06.00
YSC	6095	49.38	1	1025	R. Mil Veinticinco, 11.00–06.00
YSJM	6100	49.18	0.3	1150	Difussora YSJM, S. Salvador
YSI	6130	48.94	0.5	1250	R. Intercontinental, S. Salvador 13.00–15.00, 18,00–21.00, 23,00–04.00.
YNS	6150	48.78	0.35	780	Sultana de Oriente, 12.30–05.00.
YSHQ	6170	48.62	0.35	950	La Voz del Progreso, 16.00–20.00, 23.00–05.00
YSMA	6180	48.54	0.25	1600	La Voz Suprema de Occidente, 12.30–20.00, 23.00–04.00
YSUA	6188	48.48	0.75	1050	R. Mil Cincuenta, 12.00–05.00
YSCP	6300	47.62	0.3	970	La Voz de la Revolucion, Barrio S. Jacinto
YSO	7220	41.00	1.5	870	La Voz de la Democracia, 12.00–15.00, 17.00–21.00, 23.00–04.00
YSF	9250	32.44	1	840	R. Vanguardia, 18.00–20.00, 00.00–04.00
YSLL	9540	31.45	0.5	1500	S. Salvador en el Aire, 14.00–15.00, 17.00–20.00, 23.00–05.00
YSS	9555	31.40	5	650	R. Nacional, 18.00–19.00, 00.00–04.00
YSYA	11767	25.49	1	1275	R. Victoria, S. Salvador
YSAXA	11945	25.11	5	800	La Voz Panamericana, 12.00–06.00

MEDIUM WAVES:

Call	kc/s	m	kW	s.w.	Call	kc/s	m	kW	s.w.
YSS	650	462	10	6010/9555	YSC	1025	293	1	6075
YNS	780	385	0.25	6150	YSU	1050	285	1	6188
YSAX	800	375	1	11945	YSEB	1070	280	10	*)
YSDR	820	366	1	4800	YSJM	1150	261	0.07	6100
YSF	840	357	0.3	9250	YSI	1250	240	0.3	6130
YSO	870	345	1.5	7220	YSYA	1275	235	1	11767
YSH	950	316	0.35	6170	YSDF	1330	225	50	**)
YSCP	970	309	0.3	6300	YSLL	1500	200	0.3	9540
YSR	990	303	0.5	6050	YSMM	1600	187	0.5	6180

*) La Voz de Latino America, 5a Calle Pomiente No. 9, San Salvador.
**) La Voz del Tropico, San Salvador.

R. TROPICAL – 4800/820 kc/s

ADDRESS: Avenida Independencia, Santa Ana. – ANNOUNCEMENT: "YSDR Radio Tropical en Santa Ana, El Salvador, Centro America". – INTERVAL-SIGNAL: Gong and xylophone.

LA VOZ DEL PUEBLO – 5975 kc/s

ADDRESS: 4a Calle Poniente, Santa Ana. – VERIFICATION by QSL-card.

R. NACIONAL – 6010, 9555/650 kc/s

ADDRESS: Teatre Nacional, San Salvador. – DAILY PROGR.: "English by Radio": Thurs. 01.00. – INTERVAL-SIGNAL: Gong and xylophone.

LA VOZ DE EL SALVADOR – 6050/990 kc/s

ADDRESS: 41a Avenida Norte y Calle Arce, San Salvador. – ANNOUNCEMENT: "Por la Paz y Solidaridad de El Salvador transmite Y.S.R. en la Capital de la Republica en Centro America".

R. MIL VEINTICINCO – 6095/1025 kc/s

ADDRESS: 14 Avenida Norte No. 29, San Salvador. – ANNOUNCEMENT: "Esta es YSC, Radio 1025, Ondas Populares y Deportivas, en San Salvador, Centro América. Laboramos por la Paz, la Cultura y el Deporte".

R. INTERCONTINENTAL – 6130/1250 kc/s

ADDRESS: Colonia la Rabida, San Miguelito, S. Salvador.

SULTANA DE ORIENTE –6150/780 kc/s.

ADDRESS: Calle Ruben Dario 46, San Salvador.

LA VOZ DEL PROGRESO – 6170/950 kc/s

ADDRESS: 17 Calle Oriente, San Miguel.

LA VOZ SUPREMA DE OCCIDENTE – 6180/1600 kc/s

ADDRESS: 11 C.P. y 12 Av. Sur, Apartado No. 98, Santa Ana. – DAILY PROGR.: N.: 18.00, 19.45, 00.45. – INTERVAL-SIGNAL: Motif from "Navidad Blanca".

R. MIL CINCUENTA – 6188/1050 kc/s

ADDRESS: Avenida Sur No. 50, San Salvador. – DAILY PROGR.: N.: 12.15, 19.30, 04.15. – INTERVAL-SIGNAL: Gong. – VERIFICATION by letter.

LA VOZ DE LA DEMOCRACIA – 7220/870 kc/s
ADDRESS: 6a Calle Oriente No. 28, San Salvador. – VERIFICATION by QSL-card.

R. VANGUARDIA – 9250/840 kc/s
ADDRESS: 7a Calle Oriente No. 62, San Salvador. – ANNOUNCEMENT: "YSF Radio Vanguardia emisora de la juventud desde San Salvador, Centro América". – INTERVAL-SIGNAL: "La Leyenda de un Beso".

SAN SALVADOR EN EL AIRE – 9540/1500 kc/s
ADDRESS: 11a Avenida Sur 21, San Salvador.
VERIFICATION by QSL-card.

LA VOZ PANAMERICANA – 11945/800 kc/s
ADDRESS: 2a Avenida Norte 25, San Salvador. – ANNOUNCEMENT: "YSAX y YSAXA, La Voz Panamericana".

GUADELOUPE (French West Indies)

ADDRESS: R. Diffusion Française Préfecture, Basse-Terre.
HOME SERVICE:
658 kc/s 456 m 1 kW – FG8HA 7430 kc/s 40.40 m 0.05 kW
French from 10.00–11.30, 16.00–17.30 and 22.45–01.00 (Sun. 21.30–22.15). – N. at 10.30, 16.30 and 23.20.

ANNOUNCEMENT: "Ici Radio Guadeloupe, Poste National Français". – INTERVAL-SIGNAL: Guitar.

GUATEMALA

DIRECCION GENERAL DE RADIODIFUSION

ADDRESS: Edificio de la Tipografia Nacional, Calle "18 de Septiembre" y 7a, Av. Sur, Guatemala.
All stations commercial exc. R. Nacional, and R. Cultural.
Language: Spanish exc. where indicated.
STATIONS: Short Waves:

Call	kc/s	m	kW	m.w.	
TGZB	3335	90.01	0.09		R. Oriental 12.00–05.00.
TGNA	5952,5	50.40	5	720	R. Cultural 12.30–14.00, 22.30–03.00
TGAR	5960	50.34	0.3	1270	R. Quetzal
TGJA	5990	50.08	3	880	R. Nuevo Mundo W. 13.00–05.00; Sun. 15.00–03.00.
TGTA	6000	50.00	0.25	1390	R. Sonora
TGDA	6020	49.83	0.25	1070	La Voz de Occidente 13.00–14.00, 18.00–19.00, 00.00–03.00.
TGTQ	6030	49.75	2	810	R. International
TGCO	6040	49.67	0.5		La Voz del Tropico, Coatepeque
TGXX	6060	49.50	1.5	850	R. Ciros
TGCB	6080	49.34	0.25	1190	R. Colonial
TGOA	6100	49.18	0.35	1140	La Voz de las Americas
TGQA	6110	49.10	1	1310	R. Nacional, Quezaltenango
TGDX	6140	48.86	0.4	980	R. Central 12.00–15.00, 17.00–20.00, 00.00–05.00
TGAZ	6150	48.78	0.5	950	R. Continental
TGZA	6160	48.70	0.25		R. Oriental 12.00–05.00
TGWB	6180	48.54	1	1520	R. Nacional 12.00–06.00 (Sun. 05.00)
TGNB	9668	31.03	5	720	R. Cultural 03.00–04.45
TGWA	9760	30.74	10	640	R. Nacional 12.00–06.00 (Sun. 05.00)
TGCX	11750	25.53	0.35	1080	R. Cristal
TGNC	11850	25.32	5	720	R. Cultural 03.00–04.45

Medium Waves:

Call	kc/s	m	kW	s.w.	Call	kc/s	m	kW	s.w.
TGW	640	469	10	9760	TGUX	1020	–	1.5	–
TGN	720	417	5	*)	TGC	1080	278	0.35	11750
TGTO	810	370	5	6030	TGO	1140	263	0.8	6100
TGX	850	353	1.5	6060	TGCA	1190	252	0.25	6080
TGJ	880	341	5	5990	TGAQ	1270	236	1	5960
TGAX	950	316	0.5	6150	TGQ	1310	229	1	6110
TGCQ	980	306	1	6140	TGT	1390	216	0.25	6000
					TGWC	1520	197	1	6180

*) 5952.5/9668/11850 kc/s.
+ 11 m.w. stations (9 commercial, 2 govt.) less 1.5 kW.

R. ORIENTAL – 3335/6160 kc/s.
ADDRESS: Ciudad de Zacapa.
ANNOUNCEMENT: "Radio Oriental de Zacapa, Guatemala, America Central". – INTERVAL-SIGNAL: Vibraphone.

RADIO CULTURAL – 5952.5/9668/11850/720 kc/s.
The international Missionary Radio Stations owned and operated by the Central American Benevolent Association.

ADDRESS: Radio Station TGNA, Apartado 601, Guatemala City.
LEADING PERSONALITIES: Director Rev.: H. Van Broekhoven. Chief-Engineer Rev.: H. L. Garrison (furlough USA).

DAILY PROGR.: Spanish: 12.30–14.00, 22.30–03.00, Spanish/English lesson: Sat. 00.00. English: 03.00–04.45 (on 9668/11850 kc/s).
VERIFICATION by QSL-card or letter. Return postage required.

R. QUETZAL – 5960/1270 kc/s.
ADDRESS: 12 Avenida 26–27, Zona 5, 3er piso, Ciudad de Guatemala.

RADIO NUEVO MUNDO – 5990/880 kc/s
ADDRESS: 6a Avenida Sur No. 10–45, Apt. Postal 281, Guatemala City. Cable: "Cidio".

LEADING PERSONALITIES: Dir. Gen.: G. E. Rosa. Administrator Gen.: L. F. Herrera.
ANNOUNCEMENT: "Radio Nuevo Mundo, Ciudad de Guatemala".
INTERVAL-SIGNAL: First movement of the National Anthem.
VERIFICATION by QSL-card.

R. SONORA – 6000/1390 kc/s.
ADDRESS: 6a Ave. 14–35, Apartado 401, Guatemala City.
LEADING PERSONALITY: Dir. M. Ruiz T.

LA VOZ DE OCCIDENTE – 6020/1070 kc/s.
ADDRESS: Independencia 8, Quezaltenango.

R. INTERNACIONAL – 6030/810 kc/s.
ADDRESS: 5a Avenida 10–35, Zona 1, Ciudad de Guatemala.
DAILY PRGR.: N.: W.: 18.15–18.45, 01.15–01.45. Relay BBC: 24.00, 03.15.
ANNOUNCEMENT: "La Voz de la Capital desde Guatemala" in Spanish, English and French. – INTERVAL SIGNAL: Electrical xylophone. – VERIFICATION by QSL-card.

R. CIRO'S – 6060/850 kc/s.
ADDRESS: 3a Ave. 19–45, Guatemala City.

R. COLONIAL – 6080/1190 kc/s.
ADDRESS: Ciudad de Antigua.

LA VOZ DE LAS AMERICAS – 6100/1140 kc/s. FM 101.75 mc/s.
ADDRESS: 2a Avenida 13–39, Zona 1, Ciudad de Guatemala.

R. CENTRAL – 6140/980 kc/s.
ADDRESS: 7a Avenida 12–72, Zona 1, Ciudad de Guatemala.

R. CONTINENTAL – 6150/950 kc/s.
ADDRESS: 13a, Calle 12–26, Guatemala City.

R. NACIONAL (LA VOZ DE GUATEMALA) – 6180, 9760, 640/1520 kc/s.
ADDRESS: Edificio Tipografia Nacional, Calle 18 de Septiembre y 7a Avenida sur, Guatemala City.
LEADING PERSONALITIES: Dir. Radio Nacional de Guatemala and Dir. Gen. de Radiodifusion de la Republica de Guatemala: Sr. Don José Torón Barrios.

DAILY PROGRAMMES: N.: 13.00, 20.00, 05.00 (International). National News: Every 2nd hour. – Religious: Sun. 12.30–14.00. – Language Lesson: 14.00. – Weatherrep.: 12.30.

ANNOUNCEMENT: "TGW Radio Nacional de Guatemala en Centro America". – VERIFICATION by QSL-card. No return postage required.

R. CRISTAL – 11750/1080 kc/s
ADDRESS: 9a, Ave. 9–30, Guatemala City.

HAITI

All stations commercial exc. 4VEH (Religious).
STATIONS:
Short Waves

Call	kc/s	m	kW	m.w.	
4VGS	5030	59.64	0.4	1500	R. Independance 11.00–14.00 17.00–20.00, 23.00–02.30.
4VPM	5040	59.52	0.225		La Voix du Nord-Ouest, Port de Paix 18.00–20.00, 23.30–03.30.
4VDP	5060	59.28	1.5	1500	R. Independance 17.00–18.30, 23.00–02.00.
4VPL	5900	50.84	0.15	1260	Petionville Broadcasting System 20.00–03.00
4V2S	5950	50.42	1	1380	R. Port-au-Prince 12.00–03.00
4VYM	6010	49.92	0.5	1250	Radiodiffusion Haitienne 16.30–19.30, 23.00–02.00
4VB	6091	49.26	7.5	1080	R. Commerce 22.00–03.30
4VE	6100	49.18	0.3/1	1200	La Voix Evangelique 11.00–14.30
4VE	6112	49.08	0.3/1	1200	La Voix Evangelique 11.00–14.30
4VWA	6155	48.74	0.15		R. Citadelle 11.00–13.30, 21.00 (Sun. 19.00)–03.00
4VHW	6163	48.67	1.5	1300	R. Haiti 12.00–03.00 Sun. 14.30–23.00

4VCM	6165	48.66	5	1470	Magloire Broadcasting Circuit 11.00–04.00
4VCP	6198	48.40	0.15		La Voix du Nord 17.00–19.30, 23.00 –02.00
4VCN	6406	46.83	0.15	1170	R. Tropiques: W 11.00–12.30, 23.00 –01.30. Sun. 13.00-15.00, 23.00-01.00
4VPB	9000	33.33	0.15	1260	Petionville Broadcasting System 20.00–03.00
4VC	9485	31.63	7.5	1080	R. Commerce W. 11.30–14.00, Sun. 11.30–24.00
4VEH	9656	31.07	3	1200	La Voix Evangelique
4VEH	9667	31.03	3	1200	La Voix Evangelique
4VRW	10150	29.56	1	1300	R. Haiti W. 12.00–03.00
4VWI	15385	19.50	0.3		La Voix Evangelique (Testtransm.)

Medium Waves:

Call	kc/s	m	kW	s.w.	Call	kc/s	m	kW	s.w.
4VA	1080	278	1	6090/9485	4VS	1380	217	0.4	5950
4VEC	1200	250	0.25	*	4VGM	1470	204	2	6165
4VM	1250	240	1	6010	4VD	1500	200	0.4	5030/5060
4VP	1260	238	0.25	5900/9000	4VRD	1170	265	0.25	6406
4VW	1300	231	2	6163/10150					

* 6100, 6112, 9656, 15385 kc/s.

RADIO INDEPENDANCE – 5030, 5060/1500 kc/s
ADDRESS: Les Gonaives. LEADING PERSONALITIES: Directors: J. Dupuy and E. Mitton (Owners).

ANNOUNCEMENT: "Ici Radio Indépendance, Poste 4VGS et 4VG á Gonaives, République d'Haiti, Grandes Antilles."

VERIFICATION by QSL-card.

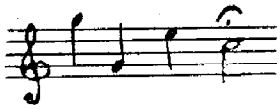
RADIO HAITI – 6163/10150 (to be changed)/1300 kc/s

ADDRESS: P.O.Box 737. Port au-Prince. Cable: HH3W

LEADING PERSONALITIES: Dir. Gen.: C. R. Wiedmaier. Dir. Prgr.: H. Widmaier.

DAILY PROGRAMMES: N.: 12.45, 21.05, 01.00. Religious Prgr.: Sun. 14.30–14.45 (English & French). Thurs. 02.30–03.00 (English); Wed. 23.00–23.15 (French). English by Radio: Thurs. 18.00–18.30. – Mailbag: 20.15–20.30.

ANNOUNCEMENT: French, English, Spanish: "Vous écoutez R. Haiti, postes 4VW, 4VRW et 4VHW". – INTERVAL-SIGNAL: Gong (4 notes). – VERIFICATION by QSL-card. – No return postage.



PETIONVILLE BROADCASTING SYSTEM – 5900, 9000/1260 kc/s. – ADDRESS: Petion Ville. – L.P.: Dir.: Ernst Walker.

RADIO PORT-AU-PRINCE – 5950/1380 kc/s

ADDRESS: Rue Pavee, Port-au-Prince.

LEADING PERSONALITIES: Dir.: A. Herard and R. R. Rigaud.

DAILY PROGRAMMES: N.: 12.30, 17.00, 23.30.

ANNOUNCEMENT: French, English: "Ici Radio Port-au-Prince postes 4VS, 4V2S".

INTERVAL-SIGNAL: Gong. – VERIFICATION by letter.

RADIODIFFUSION HAITIENNE – 6010/1250 kc/s

ADDRESS: Ruelle Jeanty, Port-au-Prince.

LEADING PERSONALITY: Dir.: Y. Michel.

DAILY PROGRAMMES: N.: 17.00, 23.30.

ANNOUNCEMENTS: French, English, Spanish: "Vous ecoutez le poste de Radiodiffusion 4VM travaillant simultanement dans les bandes de 49 m. b. et 240 metres a Port-au-Prince, capitale de la Republique d'Haiti".

RADIO COMMERCE (Comm.) – 6090, 9485/1080 kc/s
ADDRESS: P. O. Box 1143, Port-au-Prince. Cable: "Radioco"
LEADING PERSONALITIES: Gen. Dir.: Guy Douyon. Dir. Tec.: Eduard C. Gentil.
HOME SERVICE: in French, Creole, English.
4VA 1080 kc/s 278 m 1 kW W. 11.30–03.30. Sun. 11.30–24.00
4VB 6091 – 49.26 – 7.5 – W. 22.00–03.30
4VC 9485 – 31.63 – 7.5 – W. 11.30–14.00. Sun. 11.30–24.00
N. in French: W. 12.00–12.30, 18.30–19.00, 23.15–24.00 Sun. 12.00–13.00.
English Prgr.: Wed. 03.00, Sun. 22.30. – English by radio: Sat. 16.30, Wed. 22.30.

ANNOUNCEMENT: "Au service du Progres National dans l'ordre et le Travail, Ici Radio Commerce, emettant de Port-au-Prince".

INTERVAL-SIGNAL: 4 chimes.
VERIFICATION by QSL-card. Return postage appreciated.

RADIO CITADELLE – 6155 kc/s – ADDRESS: Cap Haitien.

LEADING PERSONALITY: Dir.: Wainright.

DAILY PROGRAMMES: News: 23.00, 23.45.

ANNOUNCEMENT: "Ici Radio Citadelle, Poste 4VWA, au Cap Haitien, capitale touristique de la République d'Haiti, Grandes Antilles". Closes down with "La Demassalinienne".

VERIFICATION by QSL-card.

LA MAGLOIRE BROADCASTING CIRCUIT – 6165/1470 kc/s

ADDRESS: 36, rue Americaine, Port-au-Prince. Cable: "Lematin".

LEADING PERSONALITY: Director and Owner: Frank C. Magloire. – DAILY PROGRAMMES: N.: W. 12.00, 18.05, 03.00.

ANNOUNCEMENT: "Ici la M.B.C. a Port-au-Prince, emettant par l'intermédiaire de la 4VGM et la 4VCM dans les bandes de 209 m 60 & 48 m 66, frequences 1470 et 6165 kc/s". – VERIFICATION by QSL-card.

LA VOIX DU NORD – 6198 kc/s

ADDRESS: Cap Haitien. LEADING PERSONALITY: Dir.: E. Anacreon.

ANNOUNCEMENT: French: "Ici la Voix du Nord, Poste Commercial de Radiodiffusion 4VCP, affilié a la chaine de la Paix des Nations Unies...". Spanish: "La Voz del Norte". English: "The Voice of the North".

LA VOIX EVANGELIQUE – 6100/6112/9657/9667/15385/1200 kc/s. (Religious/Cultural).

ADDRESS: East and West Bible Mission, Box 1, Cap Haitien.

LEADING PERSONALITIES: Gen. Director: Rev. G. T. Bustin. Techn. Dir.: M. E. Picazo. Secretary and QSL-Manager: Mrs. M. E. Picazo.

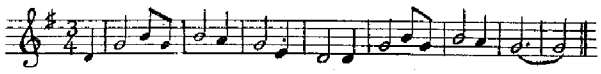
HOME SERVICE: 10.00–13.00, 22.00–01.00 on 6100 kc/s in Creole, French, Spanish, English.

FOREIGN SERVICE: Fri, Sun. 07.00–10.00 on 6112 /9667kc/s to Europe, S. Pacific, Africa in Spanish (07.00), French (07.30), English (08.00–10.00). – D. exc. Thurs.: 10.15–15.00 on 6100/9656 kc/s to U.S.A., W. Indies, S. America; Sat., Sun. 20.00–23.00 on 6100/9656 kc/s to Europe, W. Indies, U.S.A.; Mo., Tues., Fri. 22.15 23.00 on 15385 kc/s to Europe, W. Indies, U.S.A. in Spanish, French, English. – D. exc. Wed., Thurs.: 23.00–03.00 on 6100/9667 kc/s to U.S.A., W. Indies, S. America in Spanish, French, English. – Request Prgr.: 13.45–14.00 (exc. Thurs, Sun.) on 6100 kc/s. – Mailbag: (30 min.): Sat. 14.30, 21.30; Tues. 01.30, Fri.

ANNOUNCEMENT: English "You are listening to the Evangelistic Voice of the West Indies". – Spanish: "Escucha Ud. La Voz Evangelica de los Antilles". – French: "Vous Ecoutez La Voix Evangelique des Antilles".

VERIFICATION Correct reports based on actual reception will be verified by QSL. Return postage appreciated; required for airmail replies. – FUTURE PLANS: 4VEH to 5 kW; 4VWI to 10 kW. –

INTERVAL-SIGNAL:



HONDURAS (British)

BRITISH HONDURAS BROADCASTING SERVICE (Govt.)

ADDRESS: British Honduras Broadcasting Service, Belize.

LEADING PERSONALITIES: Dir. Information and Communications: E. Caffery.

HOME SERVICE in English and Spanish: 18.00–19.15, 00.00–03.30. Week-end Service (Sat., Sun.) Sat. 18.00–20.00. Sun. 18.00–20.15.

kc/s	m	kW			kc/s	m	kW	
VPM	1280	235	1	All year	4900	61.22	0.25	Oct.–Apr.
VPN	3300	90.91	5	All year	6100	49.18	0.25	Apr.–Oct.

English: N.: D.: 18.30–18.40, 01.00–01.10. Sun. 03.30–03.40. Religious Prgr.: Sun. 17.15–18.00. – Request Prgr.: Sun., Wed., Sat. 00.00–00.30. – Progr. Preview: D. 03.30–03.35. 18.25–18.30, 00.00. – Weatherrep.: After each news bulletin.
Spanish: Request Prgr.: Sat. 18.50, Sun. 19.15. N.: 18.40, 01.15.

ANNOUNCEMENT: English: "This is the British Honduras Broadcasting Service". Spanish: "Este es el Servicio Radiodifusor de Honduras Británica".

INTERVAL-SIGNAL: Greensleeves.

VERIFICATION by QSL-card. Reports are wanted. No return postage.

HONDURAS (Rep.)

All stations commercial. Language: Spanish.
STATIONS: Spanish from 13.00–04.00 or 05.00.
Short Waves:

Call	kc/s	m	kW		
HRN	5875	51.06	1	670	La Voz de Honduras, Tegucigalpa,
HRVW	35955	50.38	0.5	580	La Voz de Centro America S.Pedro Sula
HRQX	5965	50.28	0.5	1320	La Voz del Pueblo Tegucigalpa.
HRP1	5995	50.04	1	1400	El Eco de Honduras S. Pedro Sula.
HROW	6020	49.83	1	850	R. Monserrat Tegucigalpa.
HRTL	6035	49.71	1		R. Tela, Atlantila.
HRYN2	6060	49.50	1	740	La Voz del Merendon S. Pedro Sula.
HRMH	6075	49.38	0.5	1500	"La Voz del Junco" S. Barbara.
HQFM	6090	49.26	10	770	General Francisco Morazan Tegucigalpa.
HRXX	6110	49.10	1	1200	R. Comayagüela.
HRQ	6125	48.98	1		R. Suyapa, S. Pedro Sula.
HRMF	6135	48.90	0.5		La Voz del Patio, La Ceiba.
HRTW	6165	48.66	1.5	710	Union Radio Hondureña, Tegucigalpa.
HRSU	6185	48.50	0.25		R. Progreso, S. Pedro Sula.
HRD2	6195	48.43	0.25		La Voz de Atlantida, La Ceiba.

Medium Waves:

HRNQ	770	309.	10		Gen. Francisco-Morazan Tegucigalpa.
HRN	670	447.8	0.25	5875	"La Voz de Honduras".
HRLX	610	492	1	5050*	R. America.
HRTV	710	422.5	1.5	6165	Union R. Hondureña.
HRQR	1320	227.3	0.5	5965	La Voz del Pueblo.
HRXW	1200	250	0.25	6110	R. Comayagueia.
HRPX	1400	213.6	1	5995	El Eco de Honduras.
HRVW	580	518	0.5	5955	La Voz de Centro America.
HRYN	740	413.5	1	6060	La Voz del Merendon.
HRMH	1500	200	0.5	6075	La Voz del Junco.
HROW	850		0.25	6020	R. Monserrat.
HRA	1100	272.7	0.25		La Voz de Lampira Tegucigalpa.

JAMAICA (British West Indies)

JAMAICA BROADCASTING CO. LTD. (Pr. Comm.)
ADDRESS: 32, Lyndhurst Road, Cross Roads, Kingston. **Cable:** "Broadco", Jamaica.
LEADING PERSONALITIES: Man. Dir.: W. Mac Lurg. Dir. Tec.: A. R. Aldridge. Dir. Prgr.: R. J. Morrier. Sales Man.: A. L. Hendriks. Rediffusion Manager: D. J. Webb.; Chief Accountant: L. W. de Pass.
HOME SERVICE in English:

	kc/s	m	kW	
Kingston	720	417	5	11.00(Sun. 12.00)–04.00
Kingston	3360	89.26	5	W. 11.00–13.00, 21.30–04.00
Kingston	4950	60.60	5	13.00(Sun. 12.00)–21.30
Spur Free	560	536	0.5	11.00(Sun. 12.00)–04.00
Montego Bay	1180	254	1	11.00(Sun. 12.00)–04.00
Christiana		90.6 mc/s	0.5	11.00(Sun. 12.00)–04.00
Kingston		94.6 –	2.5	11.00(Sun. 12.00)–04.00

N.: W. 12.30 (followed by Weather rep.), 13.00 (BBC), 16.00 (BBC), 17.00 (BBC Oct./Apr.), 17.30, 20.00 (BBC), 23.00 (BBC), 23.10 (followed by weather rep). 02.00 (BBC) 02.10. Sun.: 13.00 (BBC) 13.10, 17.30 20.00 (BBC) 23.10, 02.00 (BBC) 02.10. – **Time Signal:** Every hour on the hour.–
Request Prgr.: 16.10–17.00, 17.15–18.30, 21.00–21.30, 02.35–03.00.
ANNOUNCEMENT: "This is Radio Jamaica and the Rediffusion Network".
VERIFICATION by QSL-card. Reports are welcomed.

Adv. "Radio Jamaica" which is a commercial station and the only broadcasting station in Jamaica gives complete coverage of the island means of space broadcasting (A. M, both medium and shortwave and FM) and by Rediffusion (wired broadcasting)
Advertisers wanting results in Jamaica are invited to write for the Radio Jamaica rate card (address as above).

LEEWARD ISLANDS

Antigua, St. Kitts-Nevis, Montserrat and the Virgin Islands.
RADIO MONTSERRAT (Semi-official)
HOME SERVICE in English: 3255 kc/s 92.17 m 0.04. kW.
Sun.: 16.30–17.00, 20.00–20.30. Wed.: 18.15–18.30, 19.00–19.30.
Sun.: Religious Prgr. Wed.: Educational prgr. to schools.

MARTINIQUE (French West Indies)

ADDRESS: Radiodiffusion Française, Pavillon du Tourisme Fort de France.
HOME SERVICE: 1500 kc/s 200 m 1 kW. 10770 mc/s 28.00 m 1 kW. Mo.–Fri.: 10.30–11.30, 16.15–17.45, 22.30–01.15. Sat.: 10.30–11.30, 16.15–19.30, 22.00–02.00. Sun.: 11.00–13.00, 16.15–18.00, 19.00–01.15. Relay Paris: 23.30–01.00.
ANNOUNCEMENT: "Ici Radio Martinique, Poste National Français"
INTERVAL-SIGNAL: The first six notes of "Sous les Ponts de Paris" on xylophone. – **VERIFICATION** by QSL-card.

MEXICO

COMMERCIAL STATIONS. Language: Spanish.
Short Waves:

Call	kc/s	m	kW	m.w.	name	
XEOI	6010	49.92	2.5	1000	R. Mil	12.00–08.00
XEUW	6020	49.83	0.25	960	El Eco de Sotavento	12.00–06.00
XEKW	6030	49.75	1	1300	R. Morelia	13.00–05.30
XETW	6045	49.66	5	810	La Voz de Tampico	10.30–24.00 00.30–06.00
XEXX	6065	49.46	5	730	R. Mexicana del C.	11.56–08.00
XECM	6130	48.94	10	1110	R. Central de Mexico	12.00–06.00
XEWW	9500	31.58	10	*)	La Voz de la America Latina	12.00–06.00
XEXF	9535	31.46	5		La Voz de Mexicana del C.	
XEFT	9545	31.43	0.25	1250	La Voz de Vera Cruz	14.00–04.00
XETT	9555	31.40	0.5	1350	La Hora Exacta	D. 24 hours
XEBT	9625	31.17	10	1220	El Buen Tono	14.00–06.00
XEQQ	9680	30.99	5	940	R. Mexicana del C.	11.56–08.00
XEBR	11820	25.38	5	920	El Heraldo de Sonora	14.00–17.00 23.00–04.00
XEHH	11880	25.25	1	1500	La Voz Potosina	13.55–06.00
XEXF	11900	25.21	5	730	R. Mexicana del C.	11.56–08.00
XEWW	15160	19.79	10	*)	La Voz de la America Latina	12.00–16.00
XESC	15205	19.73	5	1590	La mas Espanola del Mundo	D. 24 hours

*) 540, 900 kc/s

Medium Waves: (Commercial Stations)

Call	kc/s	kW		Call	kc/s	kW	
XEWA	540	5	San Luis Potosi	XERG	1090	2.5	N. Laredo
				XELR	1100	1	Colima
XEAV	580	1	Guadalajara	XEQB	*1110	5	Mexico
XEFI	580	5/0.25	Chihuahua	XERCN	1110*	50/5	Mexico
XEMU	580	5/0.25	Piedr. Negr.	XETR	1120	1	C. Valles
XEPH	590	5	Mexico	XEFD	1170	1	Rio Bravo
XERT	590	5/0.25	Reynosa	XEQT	1200	1	Orizaba
XEDN	600	1	Torreon	XEB	*1220	100	Mexico
XEZ	600	2	Merida	XEPK	1250	1	Guadalaj.
XEBB	600	5	Acapulco	XETF	*1250	0.5	Vera Cruz
XEUF	610	5	Uruapan	XEL	1260	5/1	Mexico
XEBX	610	5/0.5	Sabinas	XEBL	1260	5	Cualican
XEGS	610	5/0.75	Guasave	XEAG	1280	1	Cordoba
XENK	620	5	Mexico	XEAW	1280	5/0.5	Monterrey
XEFB	630	5/1	Monterry	XEDA	1290	1	Mexico
XEZM	650	1	Zamora	XESF	*1300	0.5	Morelia
XELG	680	10	Leon	XEBP	1310	5/0.25	Torreon
XEFJ	680	1	Teziutlan	XEFH	1310	1	Agua Prieta
XEN	*690	5	Mexico	XEHV	1310	1	Vera Cruz
XEAC	690	5	Tijuana	XEPO	1310	1	S Luis Potosi
XEON	710	1	Tuxtla Gut.	XEFC	1330	1	Merida
XEX	730	500	Mexico	XEQK	*1350	1	Mexico
XEHJ	760	1	Zapotlan.	XETB	1350	5/0.5	Torreon
XETG	760	1	Torreon	XETM	1350	1	Naco
XERC	790	1	Mexico	XEA	1370	1	Campecha
XELO	800	150	C. Juarez	XEHF	1370	1	Nogales
XEFW	*810	50	Tampico	XEMX	1380	5	Mexico
XELA	830	10/5	Mexico	XEOR	1390	1	Reynosa
XEBA	840	1	Guadalaj.	XETL	1390	1	Tuxpan
XEMO	860	5	Tijuana	XEBS	1410	1	Mexico
XEPQ	870	1	Orizaba	XEWM	1410	5/0.5	Villahormosa
XEW	*900	250	Mexico	XEH	1420	1	Monterrey
XEBH	*920	5	Hermos.	XEXX	1420	2	Tijuana
XEBM	920	5/1	S. Luis Pot.	XEF	1420	5/0.5	Juarex
XEQ	*940	50	Mexico	XECZ	1430	1	S. Luis Pot.
XEGM	950	3.5/2.5	Tijuana	XEHD	1430	2/0.15	C. Miguel Aleman
XEU	*960	0.5	Vera Cruz				
XEDF	960	5/1	N. Laredo	XEOX	1430	5/0.5	C. Obrigon
XEJ	970	10/5	C. Juarez	XECZ	1430	1	S. Luis Potosi
XEO	970	1	Matamoros	XEFI	1440	5/1	Chichuah.
XEVT	970	1	Villahormosa	XELZ	1440	5/1	Mexico
XETU	980	5/1	Tampico	XEYC	1460	1	C. Juarez
XEXT	980	1	Tepic	XEAU	1470	5	Tijuana
XET	990	10/5	Monterrey	XESM	1470	10/5	Mexico
XECS	990	5	Mexicali	XECN	1470	1	Los Mochis
XECL	990	5	Mexicali	XEPR	1480	5	Poza Rica
XEOY	*1000	10	Mexico	XERH	*1500	5/0.5	Mexico
XEHL	1010	10/5	Guadalaj.	XEGD	1520	1	H. del Parral
XEQR	*1030	1	Mexico	XEGC	1520	1	Hidalgo d. P.
XED	1050	5	Mexicali	XEBG	1550	1	Tijuana
XEG	1050	10	Monterrey	XEXO	1550	50	N. Laredo
XERB	1090	50	Rosarito	XEGE	1570	1	Mexicali
				XERF	1570	50	C. Acuna

Mexico

Call	kc/s	kW		Call	kc/s	kW	
XEDM	1580	50	Hermosillo	XEOB	1590	5	Torreon
XEMC	*1590	5	Mexico	XELC	1600	5/1	La Piedad

+ 104 low power m.w. stations less than 1 kW. * s.w.

Cultural Stations: Short Waves:

Call	kc/s	m	kW	m.W	name
XEJG	4820	61.55	0.2	630	Gobierno del Estado de Jalisco, Guadalajara
XEXA	6175	48.58	0.1	1060	R. Gabernacion, Mexico
XEYU	9600	31.25	0.25	860	Universidad Nacional de Mexico Mexico.

Medium Waves:

Call	kc/s	kW	s.w.	Call	kc/s	k.W	s.w
XEJB	630	0.5	4820	XEDP	1060	0.5	6175
XEUN	860	5	9600	+ 2 m.w. stations less 0.5 kW.			

FM (Comm.) 4 FM stations.

CADENA RADIO MIL – 6010/1000 kc/s./FM 100.5 mc/s 10 kW.
ADDRESS: Fomento de Radio S.A., Ayuntamiento 101, Mexico, D.F. Cable: "Radio Mil".
LEADING PERSONALITIES: Dir. Gen.: E. G. Salas. Manager: C. Flores. Dir. of Prgr.: E. Ortiz. Dir. Tec.: Ing. M. R. Canale. Adm.: F. Ibarra. Dir. Promotion & Information: C. Flores. Dir. Foreign Relations: J. D. Gonzales.
DAILY PROGRAMMES: XEOI for C. & S. America & SW. U.S.A.
ANNOUNCEMENT: "XEOY, XEOI Radio mil de la Cindad de México. – VERIFICATION by QSL-card or letter. No return postage required.

EL ECO DE SOTAVENTO – 6020/960 kc/s
ADDRESS: Av. Independencia No. 230, Veracruz, Ver.
LEADING PERSONALITY: Dir. and Owner: Sr. Fernando Pazos Sosa.
D. Progr.: N.: 13.00, 01.45. – Weatherrep.: 12.00, 15.00, 21.00, 04.00. English-lesson: 01.30. – Sport: 13.00, 17.15.
ANNOUNCEMENT: "El Eco de Sotavento".
INTERVAL-SIGNAL: Four chimes.
VERIFICATION by QSL-card or letter. Return postage must be included.
FUTURE PLANS: Increase of power for both m.w. and s.w. to 5 and 1 kW.

R. MORELIA – 6030/1300 kc/s.
ADDRESS: Allende No. 29, Morelia, Mich.
LEADING PERSONALITY: Dir. and Owner: Sr. José Martinez Ramirez.

LA VOZ DE TAMPICO – 6045/810 kc/s.
ADDRESS: Madero No. 204 Ote, Apartado Postal No 797, Tampico, Tamps.
LEADING PERSONALITIES: Directors and Owners: Srs. V. Flores and J. E. Martinez.
D. Progr.: Home Service in Spanish: 13.30–00.30. – N.: 13.45. – Foreign Service in English (for Southern USA): 10.30–13.30, 00.30–06.00.
VERIFICATION by letter. Return postage must be included.

R. CENTRAL DE MEXICO – 6130/1110 kc/s. – FM 88.1 mc/s.
ADDRESS: Calle Bucareli No. 12, P.O. Box 20932, Mexico.
LEADING PERSONALITIES: Mgr.: F. Gonzalo Oviedo. Adm.: M. A. Vasques. Dir. Prgr.: R. Roldán M. Dir. Tec.: Eng. P. Sandoval and Eng. M. Huerta.
DAILY PROGRAMMES: N.: 12.00, 18.00, 21.00, 05.00, 16.00–17.00. 50 stations in relay, 21.00–22.00 40 stations in realy.
ANNOUNCEMENT: "RCN – Radio Cadena Nacional ,Estación piloto de más de 100 difusoras". – VERIFICATION by QSL-card and letter. No return postage needed.
FUTURE PLANS: Ten sw. stations of 10 kW each.

R. PUEBLA – 6185/1170 kc/s.
ADDRESS: 2 Norte No. 803, Puebla, Pue.
LEADING PERSONALITY: Dir. and Owner: Sr. Roberto Canedo.

LA VOZ DE LA AMERICA LATINA DESDE MEXICO – 9500, 15160/540, 900 kc/s.
ADDRESS: Cadena Radiodifusora Mexicana S. A., Ayuntamiento 54, Mexico, D. F. – XEWA located in S. Luis Potosi.
LEADING PERSONALITIES: Pres.: E. Azcárraga. Dir.: O. M. Velez. Ass. Dir.: J. Milmo. Luis Bortoni. Dir. Tec.: J. de la Herran. Dir. Publ. Rel.: J. Duran.
N.: 14.00, 18.00, 20.30, 00.45, 06.00.
ANNOUNCEMENT: Call given every quarter hour "XEW y XEWW Ciudad de Mexico". INTERVAL-SIGNAL: Three chimes.
VERIFICATION by QSL-card.

LA VOZ DE VERA CRUZ – 9545/1250 kc/s.
ADDRESS: Independencia No. 74, Veracruz, Ver.
LEADING PERSONALITIES: Sucs.: De José Rodríguez Lopez.
VERIFICATION by QSL-card.

LA HORA EXACTA – 9555/1350 kc/s.
ADDRESS: Dolores Nr. 10, Primer piso, Mexico, D. F.
LEADING PERSONALITY: Dir. and Owner: Sr. Guillermo Morales B. DAILY PROGR.: Transmits the time every minute day and night.

CORPORACION MEXICANA DE RADIO – 9610/1030 kc/s
ADDRESS: Articulo 123 No. 90, Segundo piso, Mexico, D. F.

VOZ Y EXPRECION DE MEXICO – 9625/1220 kc/s.
LEADING PERSONALITIES: Owner: L. M. Vertiz. Mgr.: F. Riquelme. Dir. Tec.: Ing. J. C. Buchanan.
DAILY PROGR.: N. in Spanish & English: 14.00–06.00. N. in English: 00.15 (Mo., Fri.).
ANNOUNCEMENT: "XEB y XEBT ,Voz y epxreción de Mexico".
INTERVAL-SIGNAL: From Listz's "Liebestraum". Between each program cuckoo signals. VERIFICATION by QSL-card. or letter No return postage needed.

RADIO MEXICANA DEL CENTRO S.A. – 6065, 9680, 11900/730, 940, 1280, 1490 kc/s.
ADDRESS: J. M. Marroqui No. 11, 20 y 50 pisos, P.O. Box 940, Mexico D. F.
LEADING PERSONALITIES: Dir.: E. Balli. Mgr.: C. Corral C.P.T. and B. San Cristobal. Vice-Mgr.: L. Garza and F. Galindo. Dir. Tec.: J. de Lerran.
Home Service: XEQ: 11.56–08.00 to the Center of Mexico. – XEX 11.56–08.00 to the N.W. of Mexico. – Foreign Service: 11.56–08.00 on 9680 and 11900 kc/s (S. America). – Relay from XEQ, XEQQ and Regional Stations: 11.56–08.00 (Regional Prgr. from 17.55–20.15, 21.55–03.00 on XEAW/XEOB. – VERIFICATION by QSL-card or letter. No return postage required.

R. MUNDIAL – 11780/690 kc/s.
ADDRESS: Calz. A. Mexico No. 44 Barrio Axola.
LEADING PERSONALITY: Dir. and Owner: Sr. Salvador del Conde.

EL HERALDO DE SONORA – 11820/920 kc/s.
ADDRESS: Hotel "San Alberto", Rosales y Vildosola, P. O. Box 68, Hermosillo, Son.
LEADING PERSONALITIES: Dir. and Owner: Sr. Carlos G. Balderrama A. Manager: Sr. José Remigio Agraz N.
DAILY PROGR.: N.: 13.30, 20.30, 03.00. Sport: 13.30, 03.00.
DX-PROGRAMMES broadcast only by request from DX-Clubs.
ANNOUNCEMENT: "XEBH, XEBR, "El Heraldo de Sonora" desde Hermosillo".
VERIFICATION by letter. FUTURE PLANS: Increase of powers to 10 kW and inauguration of a FM station.

LA VOZ POTOSINA – 11880/1500 kc/s.
ADDRESS: "A.R.S.E." S.A., Zempoala No. 77, Col Narvarte, Mexico, D.F.

LA VOZ DE MEXICO – 11900/730 kc/s. FM.
ADDRESS: Radio de Mexico, S.A. de C.V., Cordoba 48, Mexico, D.F.
DAILY PROGR.: Relays from XEQ.
N.: 13.45, 21.00, 23.53, 01.15, 03.00, 03.45, 04.15, 05.50.

LA MAS ESPANOLA DEL MUNDO – 15205/1590 kc/s.
ADDRESS: Apartado Postal 22717, Calle Escuadra No. 73, Mexico, D.F.
LEADING PERSONALITIES: Dir. and Owner: Sr. Dolores G. Estrada de Ferreiro. Dir. Tec.: Ing. J. Carrazzo. This station beams programmes day and night for Spain and Europe.

LA VOZ DE NORTE AMERICA – 1050 kc/s.
ADDRESS: Hidalgo No. 426, P.O. Box 638, Monterrey, N.L.
LEADING PERSONALITY: Manager Teofilo Bichara.
D. PROGR.: 24 hours daily. Home Service in Spanish: 13.00–22.00. Foreign Service in English: 22.00–13.00.
VERIFICATION by letter or QSL-card.

CIA RADIODIFUSORA DE LAREDO – 1550 kc/s.
ADDRESSES: Av. Guerrero No. 1105, Altos 6, Nuevo Laredo, Tam. (For listeners in the USA: Station XEXO, Laredo, Texas, USA).
D. PROGR.: 10.00–06.00. Home Service in Spanish: 10.00–22.00. Foreign Service in English (for USA): 22.00–06.00. "Uncle Jim's Jamboree": D. 05.00–05.45. Mexican Songs: D. 05.45–06.00.

RADIODIFUSORA XERF – 1570 kc/s ("The Good Neighbor Station")
Operated by Cia. Radiodifusora de Coahuila and the Inter-American Advertising Agency.
ADDRESSES: Villa Acuna, Coah. (For listeners in USA: Station XERF, Del Rio, Texas, USA).
LEADING PERSONALITIES: Chief English Announcer: Mr. Paul Kellinger. Spanish Announcer: Sr. Tino Ramos. Dir. Tec.: Sr. Alvaro Esquivel Castro.
D. PROGR.: 23.00–13.00. Home Service in Spanish: 23.00–23.30, 09.00–10.00, 12.30–13.00, Mo. 04.00–05.00. "La Hora Nacional": Mo. 04.00–05.00, "La Hora Musica de Mexico": D. 09.00–10.00. Foreign Service in English: 23.30–09.00 (exc. Mo. 04.00–05.00), 10.00–12.30. "Gospel Singing Broadcast": D. exc. Mo.: 00,30–03,45. "Hillbilly Roundup": D. exc. Mo.: 04.00–09.00, 10.00–12.30. From Sun. 23.00 to Mo. 13.00 (exc. for Spanish broadcasts) all progr. are religious, mostly tape-recorded. VERIFICATION by letter.

LA VOZ AMIGA DE PACIFICO – 1580 kc/s.
ADDRESSES: Hotel Washington, Apartado Postal 285, Hermosillo, Son. (For listeners in USA: Station XEDM, P.O. Box 55, Nogales, Arizona, USA).
D. PROGR.: 09.00–07.00. Home Service in Spanish: 09.00–22.00, 05.00–07.00. "Musica Ranchera": D. 05.00–07.00. Foreign Service in English: (for USA): 22.00–05.00. "John LittleJohn Program": D. 22.00–00.30.

NETH. ANTILLES

CURAÇAO

CUROM
ADDRESS: Curacaosche Radio Vereiniging (CUROM), P.O. Box 31, Willemstad. Cable: "Curaver".
HOME SERVICE: PJC2 Juliana Zender: 722 kc/s 415.5 m 3 kW.
Dutch: 15.30–17.30, 22.00–03.00. – N.: 17.00, 23.15.
N. in Papiamento: 23.30. – Commercial Progr.: W.: 16.00–16.30, 00.00–01.00. English: Thurs. 01.00–01.30 arranged by "The Nether lands Welfare Association". The song "There is no place like home" is played before and after this programme.
ANNOUNCEMENT: "Juliana Zender Curacao".
VERIFICATION by QSL-card. Return postage required.

R. HOYER (Comm.) – ADDRESS: Julianaplein 21, Willemstad.
STATION: AJC7 1010 kc/s. 297 m 1 kW 10.30 (Sun. 14.30)–17.30, 21.30–02.30.

ARUBA

RADIO KELKBOOM (Comm.):
ADDRESS: Emmastraat, Oranjestad. P.O. Box 9. – LEADING PERSONALITIES: Mgr.: C. A. Kelkboom. Dir. Tec.: J. M. Kelkboom.
HOME SERVICE in Papiamento, Dutch, English, Spanish:
PJA5 1435 kc/s 209 m 1 kW.
W. 16.00–18.00, 22.00–02.30. Sun. 13.00–18.00; 22.00–02.00. National Music: Sun. 13.30–14.00. N.: D. Dutch: 16.55, 00.15. – Papiamento: W. 23.30. English Prgr.: Sun. 23.30–24.00.
VERIFICATION by QSL-card. Return postage not required.

VOICE OF ARUBA PJA-10 655 kc/s 458 m 0,4 kW. 10.30-12.30, 16.30–18.30, 23.00–03.00.

NICARAGUA

STATIONS:
Short Waves:

	kc/s	m	kW	m.w.		
YNAV	5045	59.45	1	850	R. Continental, Managua	
YNRL	5045	59.45	0.075	1320	La »V« de la Victoria, Granada.	
YNWW	5965	50.28	0.6		R. Sport	12.00–05.00
YNDG	5995	50.04	1.0		R. Colonial	12.00–05.00
YNBH	6015	49.88	0.4	1230	R. Panamericana	12.00–05.00
YNOW	6055	49.55	0.6	1340	La Voz de la America Central	12.00–05.00
YNEQ	6065	49.46	0.6	1100	La Voz de la Victoria	12.00–05.00
YNWA	6140	48.86	0.75	930	R. Mundial	12.00–05.00
YNVP	6185	48.50	0.6	1000	La Voz de Nicaragua	12.00–05.00
YNWN	7312	41.30	0.15		R. Granada, Granada	
YNRU	7602	39.47	0.2	1090	R. Musun Matagalpa	
YNBX	7620	39.40	0.1		R. Oriental, Granada	
YNRA	7753	38.69	0.15		R. Atlantico, Bluefields	

Medium Waves: 12.00–05.00.

	kc/s	m	kW	s.w.	
YNMM	850	352	10	5045	R. Continental, Managua
YNW	930	323	10	6140	R. Mundial, Managua
YNVK	1000	300	0.9	6185	R. Mil, Managua
YNRM	1090	275	0.15	7602	R. Musum, Matagalpa
YNEQ	1100	273	0.75	6065	La Voz de la Victoria, Managua
YNBH	1230	244	1	6015	R. Panamericana
YNRL	1320	227	0.15	5045	La »V« de la Victoria, Granada
YNKW	1340	224	2	6055	La Voz de la America Central, Managua

+ 9 low power stations.

R. SPORT – 5965 kc/s. ADDRESS: Sr. Manuel Arana Valle, Granada.
R. COLONIAL – 5995 kc/s. ADDRESS: Leon. Owner: D. E. Gallo
R. PANAMERICANA – 6015/1230 kc/s. ADDRESS: Managua. LEADING PERSONALITY: Sra. Estrellita M. de Rivas. ANNOUNCEMENT: "Aqui YNBH Radio Panamericana en Managua, Nicaragua, Centro America". INTERVAL-SIGNAL: Three strokes on xylophone. VERIFICATION by letter.
LA VOZ DE LA AMERICA CENTRAL – 6055/1340. ADDRESS: Calle Noreste No. 607, Managua. Owner: J. Mendoza O.
LA VOZ DE LA VICTORIA – 6065/1100 kc/s. ADDRESS: Apartado 338, Managua. Owner: R. Lacayo.
R. MUNDIAL – 6140/930 kc/s. ADDRESS: Sr. Manuel Arana Valle, Managua.
LA VOZ DE NICARAGUA – 6185/1000 kc/s. ADDRESS: Radiodifusora YNVP, Managua. Owner: De. Juan Velazquez Prieto. ANNOUNCEMENT: "Estaes La Voz de Nicaragua emisora afiliada a la Cadena Panamerican de la NBC, en Managa". INTERVAL-SIGNAL: Gong.

PANAMA

All Comm. exc. HOXO – Language: Spanish, English.
Dir. Gen. de Correos y Telecomunicaciones, Panama. Cable: Dirigentel.
STATIONS: Daily Programmes from 11.00–04.00 to Central and South America.
Short Waves:

Call	kc/s	m	kW	m.w.	
HOL 21	5960	50.34	0.6	670	R. Hogar, Panama.
HO50	5995	50.04	1	605	R. Progr. Continental
HP5K	6005	49.96	1	1500	La Voz de la Victor, Colon
HP5B	6030	49.75	0.25	730/940	R. Cadena Miramar
HOU31	6045	49.63	1	1025	La Voz del Baru, David
HORT	6060	49.50	0.5	1410	R. Balboa
HOO	6090	49.26	0.3	1470	R. Independiente
HP5H	6122	49.00	0.5	900	La Voz del Pueblo
HOQQ	6140	48.86	0.5	1250	La Radio Nacional
HOB	6175	48.58	0.3	840/1090	R. Panamericana
HOLA	9505	31.56	0.25	1310/1390	R. Atlantico
HP5J	9607	31.23	0.25	1358	La Voz de Panama'
HOJA	9645	31.10	0.3	1130	R. Provincias, Chitre
HOF 31	9685	30.98	1	965	Onda Popular
HP5A	11700	25.64	0.5	1440	Cadena Panamena de Radiodidusion
HP5G	11780	25.47	0.8	840/1090	R. Panamericana
HOXB	11810	25.40	0.5	1370	Ondas Chiricanas, David
HPS62	11895	25.22	0,25	1400	Ondas Centrales, Santiago

Stations in the 25 m.b. are inactive.
Medium Waves:

Call	kc/s	m	kW	m.w.	
HOH2	560	535.7	0.25		R. Programa Continental, Colon
HOH3	580	517	1		R. Progreso Chitre
HOHM	605	496	1	5995	R. Progr. Continental
HOLY	670	447.8	0.5	5960	La Voz del Hogar, Panama.
HOE97	700	429	4		R. El Mundo, Panama
HP5C	730	411	0.5	6030	R. Cadena Miramar
HOXO	769	394.7	0.5		La Voz del Istmo, Panama
ACA20	790	379.7	5		"Caribbean Forces Network", Panama (A.F.R.T.S.).
HOF33	820	379.7	1		Corporacion Panameña de Radiodifussion, Chitre
HOG	840	357	0.3	6175/11780	R. Panamericana
HOHA	900	333	0.25	6122	La Voz del Pueblo, Granada.
HOX	940	319.1	0.5	6030	R. Cadena Miramar
HOF	965	311	1	9685	Onda Popular
HOU	1025	293	1	6045	La Voz del Baru, David
HOA	1090	275	1	6175/11780	R. Panamericana
HOJ	1130	266	0.4	9645	R. Provincias, Chitre
HOQ	1250	240	0.25	6140	La Radio Nacional
HOK3	1310	229	0.3	9505	R. Atlantico, Colon
HP6J	1358	221	0.25	9607	La Voz de Panama
HOOC	1370	219	0.8	11810	Ondas Chiricanas, David
HOL	1390	216	0.25	9505	R. Atlantico, Colon
HOHS	1400	214.3	0.5	11895	Ondas Centrales, Santigo
HORS	1410	213	0,5	6060	R. Balboa
ACB20	1420	211.3	1		Caribbean Forces Network (A.F.R.T.S.), Gulich
HOC	1440	208.3	0.25	11700	Cadena Panameña de Radiodifusion
HOOH	1470	204	1	6090	La Independiente
HON	1500	200	0.25	6005	La Voz de la Victor, Colon

+ low power m.w. stations 0.5 kW or less. Two FM stations under construction.

R. HOGAR – 5960/670 kc/s
ADDRESS: Colegio Javier, Calle 36 Este, Apartado 1568 Panama.

R. PROGRAMAS CONTINENTAL – 5995 605, kc/s/FM-26.35, 86.9, 97.1 mc/s
ADDRESS: Circuito RPC, Apt. Postal No. 1795, Panama. Cable: "Erepece".
LEADING PERSONALITIES: Pres. & Dir. Gen.: Sr. Fernando Eleta A. Dir. of Progr.: Sr. Alberto Arbesu P. Dir. Tec.: Sr. James Calvin Harris.
DAILY PROGR.: On 5995/605 kc/s and FM: National Music. Sun 15.30–16.00 Request Progr.: D. 12.30–14.00. – On 560 kc/s (Colon): 11.00–05.00. On 580 kc/s (R. Progreso, Chitre): 11.00–04.00.
VERIFICATION by QSL-card. Reports welcomed.

LA VOZ DE LA VICTOR – 6005/1500 kc/s. ADDR.: Apartado 33. Colon. –

R. CADENA MIRAMAR – 6030/730, 940 kc/s.
ADDRESS: Via Espana Final, Apartado 1214, Panama.
VERIFICATION by QSL-card.

LA VOZ DEL BARU – 6045/1025 kc/s. – ADDRESS: Apartado 160, David. L.P.: Owners: Srs. Samudio, Esquival, Tribaldos.

R. BALBOA – 6060/1410 kc/s:
ADDRESS: Avenida Ecuador No. 9, Apartado 1723, Panama.
LEADING PERSONALITY: Dir. & Owner: Sr. Demetrio A. Porras.

R. INDEPENDIENTE – 6090/1470 kc/s
ADDRESS: Avenida Peru y Calle 33 Este, Apartado 545, Panama. –
LEADING PERSONALITY: Dir. & Owner: Sr. José A. Sosa M.

"LA VOZ DEL PUEBLO" – 6122/900 kc/s.
ADDRESS: Calle 17 Oeste no. 78, Apartado 1045, Panama.
LEADING PERSONALITY: Dir. & Owner: Sr. M. Lombardo Vega.

RADIO NACIONAL – 6140/1250 kc/s.
ADDRESS: Ave. Central No. 96, Apartado 652, Panama.
LEADING PERSONALITIES: Owner: Dir. Gen.: Sr. Augustin de Mena F. Dir. Progr.: Professor Luis S. Dominguez. Dir. Public Relations: Sr. Yolanda Zerr.

R. PANAMERICANA – 6175, 11780/840, 1090 kc/s.
ADDRESS: Parque Lefevre, Apartado 1121. Panama.
LEADING PERSONALITY: Dir. & Owner: Sr. Gilberto Arias.

R. ATLANTICO – 9505, 1310/1390 kc/s.
ADDRESS: Avenida Balboa No. 9069, Apartado 444, Colon.
LEADING PERSONALITY: Dir. & Owner: Sr. Anibal Galindo.
DAILY PROGR.: N. 17.35, 22.35. VERIFICATION by QSL-card.

LA VOZ DE PANAMA – 9607/1358 kc/s.
ADDRESS: Avenida Central No. 169, Apartado 867. Panama.
LEADING PERSONALITY: Dir. & Owner: Sr. Manuel Diaz Doce.
DAILY PROGR.: English Request Progr.: 01.00.

R. PROVINCIAS, CHITRE – 9645/1130 kc/s.
LEADING PERSONALITY: Dir. & Owner: Sr. Fernando Jolly.

ONDA POPULAR – 9685/965 kc/s.
ADDRESS: Apartado 1795, Panama.
LEADING PERSONALITY: Dir. & Owner: Sr. Fernando Eleta A.
VERIFICATION by QSL-card

CADENA PANAMENA DE RADIODIFUSION – 11700/1440 kc/s.
ADDRESS: Calle 108, Apartado 954, Panama.

CARIBBEAN FORCES NETWORK (U.S.A. Military)
CFN Clayton 790 kc/s 5 kW. Relay CFNFt. Gulick 1420 kc/s 1 kW.

PUERTO RICO

PUERTO RICO (U.S.Territory)
Commercial (exc. WIPR).

kc/s	Call	kW	Location	Time
550	WPAB	5	Ponce	10.15–03.00
580	WKAQ	5	S. Juan	09.15–02.00
680	WAPA	10	S. Juan	09.30–02.30
810	WKVM	25	S. Juan	
910	WPRP	5	Ponce	09.30–02.30
940	WIPR	10	S. Juan	10.00–02.00
990	WPRA	10	Mayaguez	
1320	WRIO	5	Rio Piedras	09.30–02.00
1590	WXRF	1	Guyama	10.00–02.30 (Spanish)

+ 13 stations of 1 kW or less.

R. STATION WXRF:
ADDRESS: Box 615, Guyama. – L.P.: Dir. C. Cordero. Dir. Prgr.: J. Mellendez. Dir. Tec.: J. H. Conesa. – VERIFICATION by QSL-card. No return postage required.

TRINIDAD

TRINIDAD BROADCASTING COMPANY LTD. (Comm.)
ADDRESS: Broadcasting House, 11b Maraval Road, Port-of-Spain. Cable: "Broadcast", Trinidad.
LEADING PERSONALITIES: Man. Dir. K. T. Murray. Dir. Tec.: R. Goodsman. Manager: J. M. Laing. Dir. Prgr.: B. C. Fargus.
HOME SERVICE in English: "R. Trinidad", VP4RD.

790 kc/s	379.7	m	5	kW	10.00–03.00
3275 –	91.60	–	0.5	–	10.00–03.00
6085 –	49.30	–	0.5	–	10.00–22.00

N.: 10.45*), 11.00 (BBC), 12.00*), 13.00(BBC), 16.00(BBC), 16.30*), 20.00 (BBC), 23.45*), 02.00(BBC)
*) followed by weather-rep.
Request Progr.: 12.15(W), 02.20 (W). – Religious Progr.: 10.00–10.15(W), 23.15–23.45(Sun). – Time-Sign.: Every hour on the hour exc. 17.00, 18.00, 19.00. – Progr. Preview: D.: 11.15, 15.40(W), 20.10, 22.45.
ANNOUNCEMENT: "This is Radio Trinidad and the Rediffusion Golden Network". – FUTURE PLANS: Increase m.w. 20 kW.
VERIFICATION by QSL-card. Return postage required.

ARMED FORCES RADIO SCE. (U.S.A. Navy): WVDI Trinidad 600 kc/s 0.025 kW.

SOUTH AMERICA

ARGENTINA

RADIO DEL ESTADO (Govt.)
ADDRESS: Ministerio de Communicaciones, Direccion de Radiodifusion, Ayacucho 1556, Buenos Aires.
HOME SERVICE: D.: 11.00–03.00 (Sat. 05.00).

Call	kc/s	m	kW	s.w.	
LRA	670	448	20*/10**		Santa Rosa
LRA	690	435	1		Salta
LRA	710	423	50	6062/9690	Buenos Aires
LRA	780	385	20*/10**		Rosario
LRA	870	345	10	6062/9690	Buenos Aires
LRA	970	309	5	6180	Mendoza

Short-Waves:

LRA1	6062	49.49	10	710/870	Buenos Aires
LRA	6180	48.54	10	970	Mendoza
LRA1	9690	30.96	100	710/870	Buenos Aires

*) Day. **) Night.

FM
LRA7 92 mc/s Buenos Aires
N. (W. only): 13.30, 16.30, 23.25, 01.00. –
ANNOUNCEMENT: "LRA, LRA1 y LRA7 Radio del Estado de Buenos Aires, Republica Argentina".
VERIFICATION by QSL-card.

PRIVATELY OWNED COMMERCIAL STATIONS
EMISORAS DELLA RED RADIO EL MUNDO (Owned and operated by Empresa Editorial Haynes Ltda. S.A.).
ADDRESS: Maipu 555, Buenos Aires. Cable: "Radiomundo". –
HOME SERVICE: 10.30–04.00. *) Key station.

Call	kc/s	m	kW	
LR6	630		25	R. Mitre B. Aires
LU4	640	468.8	1	R. Comodoro, Rivadavia
LV8	630	476.2	10	R. Libertador, Mendoza
LW7	730	411	1	R. Catamarca
LT15	960	312.5	5	R. Concordia
LV3	910	330	25	R. Cordoba
LU6	910	330	3	R. Atlantico, Mar del Plata
LV7	820	366	2	R. Tucuman

LW8	970	309.3	1	R. Jujuy
LRL*	1070	280.4	50	R. El Mundo, B. Aires
LS10	1030	291.3	10	R. Libertad
LT3	1160	259	10	R. Cerealista, Rosario
LU7	1150	261.5	10	R. Gral. S. Martin, Bahia Blanca
LT5	1240	241.9	5	R. Chaco, Resistancia
LW13	1250	240	5	R. S. Luis
LV5	1370	219	5	R. Los Andes, S. Juan
LT9	1430	210	5	R. Santa Fé
LR9	1540		0.4	R. Antartida, B. Aires

Short Waves (Buenos Aires, relay LR1).

LRX1	6120	49.02	10	14.00–17.00, 21.00–04.00
LRX	9660	31.06	7.5	10.30–04.00
LRU	15290	19.62	7.5	10.30–14.00, 17.00–21.00

*) Key station.

ANNOUNCEMENT: "LR1 Radio El Mundo de Buenos Aires con, su Red Azul y Blanca de Emisoras Argentinas".

VERIFICATION by QSL-card or letter.

RADIO SPLENDID NETWORK

EMISORAS DE LA RED "C" (Sociedad Anonime. La Razon Editorial, Emisora, Financiera y Comercial)

ADDRESS: Uruguay 1237, Buenos Aires.

HOME SERVICE: 10.30–04.00 *Key station.

Call	kc/s	m	kW	
LS4	560	535.7	10	R. Portena, B. Aires
LU8	590	508.5	5	R. Splendid, Bariloche, S. Carlos de Bariloche
LT4	670	447.8	1	R. Splendid Posados
LU12	680	441.2	1	R. Splendid Rio Gallegos
LV6	680	441.2	10	R. Splendid Mendoza
LR4*	830	361.5	50	R. Splendid, B. Aires
LV15	840	357.2	1	R. Splendid, Villa Mercedes
LU5	1130	265.5	1	R. Splendid Neuquen
LW3	1090	275.2	4	R. Splendid Tucuman
LT2	1190	252	15	R. Splendid Rosario
LT6	1200	250		R. Splendid, Goya
LV4	1210	247.9	0.5	R. Splendid, S. Rafael, Mendoza
LW1	1230	244	15	R. Splendid, Cordoba
LU3	1240	241.9	10	R. Splendid, Bahia Blanca
LU13	1300	230.8		R. Splendid Vechochea
LT11	1300	264.4	1.5	R. Splendid, Concepcion del Uruguay
LR5	1350	222.2	25	R. Excelcior, B. Aires
LT16	1370	219		R. Presidencia, Roque Saenz Peña

Short Waves. (Buenos Aires; relay LR4).
LRS1 5985 kc/s 50.13 m 10 kW – LRS 11880 kc/s 25.25 m 10 kW
LRS2 9320 – 32.19 – 10 –
*) Key station.

ANNOUNCEMENT: "LR4 Radio Splendid, Buenos Aires, con sus ondas cortas LRS, LRS 1 (y LRS2) y la Red Argentinas de Emisoras Splendid". – VERIFICATION by letter.

RADIO BELGRANO NETWORK

EMISORAS DE LA RED "B". (Asociacion promotores de teleradiodifusion s.a.)

ADDRESS: Posadas y Ayacucho, Buenos Aires.

HOME SERVICE: 10.30–04.00. *) Key station.

Call	kc/s	m	kW	
LW12	580	517.2	10	R. Independencia, Tucuman
LV2	620	483.9	10	R. Central, Cordoba
LS5	680	441.2	3	R. Rivadavia, B. Aires
LU2	780	384.6	5	R. Bahia Blanca
LU9	790	370.7	1	R. Mar del Plata
LV10	790	370.7	2.5	R. de Cuyo, Mendoza
LT7	840	357.1	5	R. Corrientes
LT8	890	337	5	R. Rosario
LR3*	950	315.8	50	R. Belgrano, B. Aires
LR2	1110	270.3	15	R. Argentina, B. Aires
LV9	1130	265.5	5	R. Gral, Guemes
LV11	1170	256.4	2	R. Del Norte, Santiago del Estero
LU10	1200	250		R. Azul
LT14	1320	227.3	5	R. Gral. Urquiza, Parana
LV14	1330	225.6	1	R. La Rioja
LV16	1460	205.5	1	R. Ranquel, Rio Cuarto
LT12	1520	197.4	0.5	R. Paso de los Libres
LS6	1520	197.4	3	R. del Pueblo, B. Aires

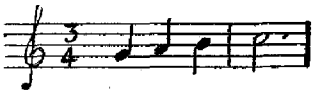
*) Key station.

Short Waves:

LRY	6090	49.26	50	relay LR3
LRT	11840	25.34	10	relay LV12

ANNOUNCEMENT: "LR3 y LRY Radio Belgrano de Buenos Aires y la Primera Cadena Argentina de Radiodifusion".

INTERVAL-SIGNAL: 4 note signal on vibraphone.



VERIFICATION by QSL-card.

BOLIVIA

All stations commercial exc. "R. Illimani" & "R. La Cruz del Sur".

STATIONS: Short Waves: Language: Spanish.

Call	kc/s	m	kW	m.w.	
CP39	4855	61.79	0.25		R. Cobija
CP5	5975,	50.21	10	1020	R. Illimani. 11.00–13.00, 15.00–17.00, 21.30–03.00.
CP18	6070	49.42	0.25		R. El Condor, 11.00–14.00, 16.00–18.00, 22.00–03.00.
CP30	6135	48.90	0.5		R. Electra, 16.15–17.30.
CP12	6150	48.78	0.25	1350	R. Fides, 16.00–17.30, 22.00–02.15.
CP40	6160	48.70	1		Emisora LAB.
CP9	6185	48.50	0.45	930	R. Amauta, 11.15–13.00, 23.00–03.00.
CP37	6190	48.47	0.25		R. Oruro.
CP6	9500	31.58	1	1020	R. Illimani, 11.00–13.00, 15.00–17.00, 21.30–03.00.
CP38	9505	31.56	1	730	R. La Cruz del Sur, W.: 11.00–12.30, 14.30–17.30, 22.55–02.30. Sun.: 12.00–13.30, 16.00–21.30.
CP21	9570	31.35	0.35		R. La Plata, Sucre, 13.00–14.00, 20.30–22.00, 00.30–02.00.

Medium Waves:

Call	kc/s	m	kW	s.w.	Call	kc/s	m	kW	s.w.
CP27	730	411	1	9505	CP4	1020	294	10	5975/9500
CP11	930	323	0.15	6185	CP29	1350	222	0.08	6150

+ 15 low power stations less than 1 kW.

R. COBIJA – 4855 kc/s – ADDRESS: Correo Central Cobija.

EMISORAS DEL ESTADO R. ILLIMANI: – 5975, 9500/1020 kc/s.
ADDRESS: Avenida Simeon Bolivar, La Paz. –

R. EL CONDOR – 6070 kc/s.
ADDRESS: La Plata 1139, Oruro .VERIFICATION by QSL-card.

R. ELECTRA – 6135 kc/s. ADDRESS: Correo Central, Santa Cruz.

R. FIDES – 6150/1350 kc/s.
ADDRESS: Colegio San Calixto, Jenaro Sanjinés, La Paz.

EMISORA LAB – 6160 kc/s
ADDRESS: Hotel Bolivar, Cochabamba.

R. AMAUTA – 6185/930 kc/s.
ADDRESS: Comercio 386, La Paz.

R. ORURO – 6190 kc/s. ADDRESS: Casilla 114, Oruro.

R. LA CRUZ DEL SUR – 9505/730 kc/s. FM 103 mc/s.
The station is owned and operated by the Canadian Baptist Mission in Bolivia. ADDRESS: Cajón 8, La Paz.

LEADING PERSONALITIES: Dir. Gen.: Arthur Wormald. Dir. of Progr.: Miss Jane Hood.

DAILY PROGRAMMES: N.: W.: 17.30, 00.30. On Tues. (silent day) there is no transmission.

INTERVAL-SIGNAL: Opens and closes with "Onward Christian Soldiers".

VERIFICATION by QSL-card. No return-postage required.

R. LA PLATA – 9570 kc/s.
ADDRESS: 25 de Mayo 41, Sucre.

BRAZIL

STATIONS: Short Waves:

Call	kc/s	m	kW	m.w.	Name
ZYV30	2340	128.2	0.5	1470	R. Dif. Brasileira 12.00–02.00
ZYJ3	2420	124.0	0.5	1480	R. Cajará de Anapolis
	2440	122.9	0.5	1530	R. Clube Pouso Alegre 11.30–02.00
	2450	122.5	0.5	1330	R. Cultura de Aracatuba 12.00–02.00
ZYR60	2480	121	0.5	1370	R. Cultura Araraquara: 10.00–01.30
ZYR62	3255	92.17	0.5	1090	R. Clube de Marilia: 10.30–02.00
ZYK21	3265	91.87	1	890	R. Tamandare, Recife: 09.00–03.00.
ZYR31	3275	91.60	1	1210	Bauru R. Clube: 11.00–16.00, 17.00–02.00.
ZYR44	3285	91.32	1	1600	R. Aparecida: 09.00–02.00
	3305	90.77	1		R. Esperanca, Sao José do Rio Preto.
ZYJ21	3325	90.23	1	1350	R. Borborema: 09.00–03.00.
ZYR59	3335	89.95	0.5	820	A Voz do Sertao: 11.00–02.00.
ZYN22	3345	89.68	1	1010/ 1440	R. Cultura da Bahia: 11.00–03.00
	3365	89.15	0.5	690	R. Dif. Parana, Londrina.
ZYA41	3385	88.63	1	550	R. Eldorado, Rio de J.
ZYY3	4755	63.10	1/0.5	1390	R. Brazil: 11.00–03.00.
ZYR81	4775	62.84	5		R. Progresso de Sao Paulo
ZYM8	4785	62.70	0.5	1410	R. Ribamar: 10.30–02.00.
ZYY20	4785	62.70	1		R. Dif. do Guapore[1]): 12.00–13.30, 15.00–17.30, 21.30–02.30.
	4795	62.56	1	1260	R. Clube de Piaui, Teresina.
ZYS8	4805	62.43	5	1240	R. Dif. do Amazonas: 09.00–17.00, 19.00–01.00.
ZYE7	4825	62.18	0.5	1470	R. Educadora de Parnaiba: 14.00–16.00, 20.30–01.00.
ZYV37	4835	62.05	0.5	1390	R. Sociedade Triangulo Mineiro 11.00–17.00, 19.00–02.00.
ZYU8	4845	61.92	1	1370	R. Dif. Teresina: 09.00–11.00, 13,00–16,00, 18,00–01,00.
ZYR61	4855	61.79	1	720	R. Dif. Taubaté: 11.00–03.00.
PRC5	4865	61.66	2	1450	R. Clube do Para: 09.00–02.00.
	4885	61.41	1	1460	R. Dif. Acreana, Rio de J.
ZYV50	4885	61.41	0.5	1350	R. Cultura de Pocos de Caldas.
PRF6	4895	61.29	2.5		R. Baré: 11.00–17.00, 20.00–01.30
ZYZ20	4905	61.16	5	1490	R. Relogio Federal: 24 hours
ZYE	4915	61.04	1.5	1460	R. Difusora de Macapa: 15.00–17,00, 20,00–01,30.
ZYA36	4925	60.90	1	1090	R. Industrial de Juiz de Fora: 09,00–12,00, 13,00–16,00, 18,00–03,00.
ZYI21	4935	60.80	1	1270	R. Poti: 11.00–02.00.
PRF7	4955	60.54	2	1110	R. Cultura de Campos: 10.00–12.00, 13.00–02.00.
ZYP20	4965	60.42	1	680	R. Mapinguari, Sao Gonzalo.
ZYY9	4975	60.30	2.5	1490	R. Timbira: 11.00–01.00.
ZYZ5	4985	60.19	0.5	1160	R. A Voz do Oeste: 11.00–12.00, 14.00–17.00, 20.00–24.00.
ZYY2	4995	60.06	1	1270	R. Brasil Central 11.00–02,00.
PRH8	5015	59.82	10	1150	Fundacao R. Maua: 08,00–03,00.
ZYP23	5045	59.46	5	780	R. Quitandinha: 08.00–04.00
ZYR76	5955	50.37	7.5	890	R.Gazeta Sao Paulo: 11.00–04.00
	5965	50.28	7.5	720	R. Guaiba, Porto Alegro.
	5975	50.21	7.5	1260	R. Clube do Piaui, Teresina.
PRJ3	6000	50.00	5	880	R. Inconfidencia de Minas Gerais[1]): 10.00–12.30,14.00–17.00 20.00–02.00
PRA8	6015	49.88	5	720	R. Clube de Pernambuco: 08.55–03.00.
ZYR63	6025	49.79	10	1200	Sociedade R. Emissoras de Piratininga.
ZYS33	6045	49.63	5	1440	R. Clube Paranaense: 10.00–03.00.
PRB21	6055	49.55	7.5	1000	R. Record: 08.00–05.00.
	6065	49.50	7.5		R. Rural Brasilieira[1]): 10.00–13.00, 20.00–23.00.
ZYK2	6085	49.30	16	780	R. Jornal do Comercio: 11.00–02.00.
ZYB7	6095	49.22	25	960	R. Dif. Sao Paulo: 10.00–05.00.
ZYN6	6105	49.14	5	1200	Ceara R. Clube: 09.00–03.00,
	6125	48.98	7.5		R. Excelsior.
PRC21	6135	48.90	7.5	680	R. Sociedade Gaucha: 10.00–03.00.
PRL9	6147	48.80	50	980	R. Nacional[1]): 08.45–04.30.
ZYR58	6165	48.66	7.5	1300	R. Cultura, A Voz do Espaco, Paulo: 08.00–05.00.
ZYR77	6185	48.50	10	840	R. Bandeirantes: 24 hours
PRD21	6195	48.43	7.5	1030	Sociedade R. Emissora Continental: 09.00–05.00
ZYC7	6200	48.39	100	900	R. Tamoio: 09.00–03.00.
PSL	7935	37.81	1.5		Agencia Nacional[1]): 12.00–3.00,1 18.00–19.00, 21.0 0–23.00.
PRB22	9505	31.56	7.5	1000	R. Record: 09.00–03.00.
ZYS30	9545	31.43	7.5	1210	R. Emissora Paranaense Curitiba.
ZYK3	9565	31.37	16	780	R. Jornal do Comercio: 11.00–02.00.
	9585	31.30	7.5/50		R. Excelsior, Sao Paulo.
	9595	31.27	20	1010	R. Cultura da Bahia: 11.00–03.00.
ZYC8	9610	31.22	25	900	R. Tamoio: 09.00–03.00.
ZYR83	9620	31.19	7.5	1600	R. Aparecida.
ZYV40	9645	31.10	7.5	1350	R. Cultura de Pocos de Caldas: 11.00–02.00.
	9665	31.04	20		Sociedade R. Rio, Rio de J.
	9685	30.98	50	890	R. Gazeta, Sao Paulo.
PRH8	9705	30.91	10	1150	Fundacao R. Maua, Rio de J.: 08.00–03.00
PRL7	9720	30.86	50	980	R. Nacional: 08.45–04.30.
ZYR57	9745	30.78	7.5	1300	R. Cultura, A Voz de Espaco.
	9755	30.75	7.5	1270	R. Brasil Central, Goiania.
PRL4	9770	30.70	1	800	Servico R. Dif. Educadora, Rio de J. 10.00–12.00, 15.00–02.00
PSH	10220	29.35	1.5		Agencia Nacional[1]): 12.00–13.00, 18.00–19.00, 21.00–23.00.
PRL8	11720	25.60	50	980	R. Nacional.
PRD22	11735	25.56	1	1030	EmissoraContinental:07.30-05.00
ZYR65	11745	25.54	50	1200	Sociedad R. Emissora de Piratininga.: 08.00–05.00.
ZYB8	11765	25.50	25	960	R. Dif. Sao Paulo 10.00–05.00.
	11785	25.46	10	720	R. Guaiba, Porto Alegre.
	11815	25.39	5	1270	R. Brasil Central, Goiania.
ZYK32	11825	25.37	16	780	R. Jornal do Comercio: 21.00–02.20.
ZYR78	11925	25.17	10	840	R. Bandeirantes: 08.45–16.30, 21.00–03.00.
	11935	25.14	7.5	1440	R.Clube Paranaense: 10.00-03.00.
PRL5	11950	25.10	7.5	800	Servico R. Dif. Educadora: 10.00–12.00, 15.00–02.00.
PRB24	11965	25.07	50	1000	R. Record.
	15105	19.86	10		R. Rural Brasileira[1]): 10.00–13.00, 20.00–23.00.
PRB23	15135	19.82	7.5	1000	R. Record: 08.00–05.00.
ZYK33	15145	19.81	16	780	R. Jornal do Comercio: 10.00–18.00.
ZYB9	15155	19.80	25	960	R. Dif. de Sao Paulo: 10.00–05.00.
ZYN7	15165	19.78	5	1200	Ceara R. Clube, Fortaleza.
PRK9	15190	19.75	5	880	R. Inconfidencia de Minas Gerais.
	15205	19.73	10		Agencia Nacional[1]).
	15215	19.71	2.5	1490	R. Timbira, Sao Luiz.
	15265	19.66	7.5/50		R. Excelsior.
	15325	19.58	20	890	R. Gazeta, Sao Paulo.
ZYC9	15370	19.52	25	900	R. Tamoio: 10.00–03.30.
PRD23	15415	19.46	1	1030	Emissora Continental, Rio de J.
	15525	19.32	20	1010/ 1440	R. Cultura da Bahia: 11.00–03.00.
	17815	16.84	10	1300	R. Cultura. A Voz do Espaco.
PRL9	17850	16.81	50	980	R. Nacional[1]).
	17875	16.79	7.6	800	Servico R. Dif. Educativa, Rio de J.

[1]) Govt.

ZYZ22	550	546	50	3385		PRA4	740	405	50	[5])	
ZYM5	560	536	10/0.5	[1])		PRL6	780	385	20/10	a)	
PRH2	600	500	50	[2])		ZYP30	780	385	1/0.25	5045	
PRH7	620	484	10/5	[3])		PRA2	800	375	25	b)	
ZYR56	670	448	10	j)		PRI5	820	366	0.25	3335	
ZYP20	680	441	5/1			ZYD8	840	357	10/5	[6])	
PRC2	680	441	10/5			PRH9	840	357	10/5	6185	
ZYP20	680	441	5/1	4965		PRA3	860		50	[7])	
PRC2	680	441	10/5	6135		PRI3	880	341	50	6000/15190	
PRC7	690	435	25/10	[4])		ZYK20	890	337	20/10	3265	
PRA8	720	417	25	6015		PRA6	890	337	5	5955/9685/ 15325	
	720	417	10	5965							
ZYA8	720	417	10	5965		PRB7	900	333	10/5	9610/ 15370	
ZYA8	720	417	1/0.5	4855							

Medium Waves:

Call	kc/s	m	kW	s.w.	Call	kc/s	m	kW	s.w.
ZYI23	900	333	10	[8])	PRG3	1280	234	50	[16])
PRF4	940	319	50	[9])	ZYR7	1300	231	10	[17])
PRF3	960	313	10/5	c)	PRE4	1300	231	10/5	9745/
PRE8	980	306	50	d)					17815
PRB9	1000	300	50	e)	PRI8	1330	225	1/05	2450
ZYN23	1010	297	0.25	f)	PRH6	1340	224	25/5	[18])
PRD8	1030	291	10	h)	PRH5	1350	222	5	4885
PRG2	1040	298	50	[10])	ZYO7	1350	222	1	3325
PRD2	1060	283	10	[11])	PRC8	1360	221	10	[19])
ZY19	1090	275	1/05	4925	ZYQ3	1370	219	1	4845
PRI2	1090	275	1/05	3255	PRD4	1370	219	1/05	2480
PRG9	1100	273	50	[12])	PRE5	1390	216	1/05	4835
PRF7	1110	270	5	4955	ZYR72	1390	216	0.25	4755
	1120	268	20		PRD5	1400	214	10/5	[20])
PRH8	1150	261	10/5	9705	ZYM8	1410	213	1	4785
PRI9	1160	259	10	[13])	PRE7	1410	213	10	[21])
PRH3	1160	259	1	4985	ZYN20	1440	208	10/5	f)
PRE3	1180	254	50	[14])	PRB2	1440	208	20/10	6045/
PRE9	1200	280	10	6105/					11935
				15765	PRC5	1450	207	10	4865
PRB6	1200	250	10	6025/11745	ZYD9	1460	205	0.25	4885
ZYZ9	1210	248	0.5	9545	ZYE2	1460	205	0.25	4915
PRG8	1210	248	1/05	3275	PRD6	1470	204	1/0.5	2340
PRA9	1220	246	50	9575/11775	PRJ4	1470	204	0.5	4825
ZYB21	1240	242	1	4805	ZYJ3	1480	203	0.5	2420
	1260	238	10	5975	ZYZ21	1490	201	1	4905
PRA5	1260	238	10/5	[15])	PRJ9	1490	201	5	4975
ZYX9	1270	236	10	g)	PRJ7	1530	196	0.1	2440
ZYB5	1270	236	10	4935	ZYR44	1600	189	0.1	3285

a) 6085/9565/11825/15145 kc/s. b) 9770/11950/17875 kc/s. c) 6095/11765/15155 kc/s. d) 6147/9720/11720/17850 kc/s. e) 6055/9505/11965/15135 kc/s. f) 3345/9595/15525 kc/s. g) 4995/9755/11815 kc/s. h) 6195/11735/15415 kc/s. i) 5015/9705/11885 kc/s. j) 6125/9585/15265 kc/s.

1) R. Soc. Guairaca, Rua Barao do Rio Branco 167, Curitiba: 10.00–05.00. – 2) R. Soc. Farroupilha, Rua Duque de Cazias 1304, Porte Alegre: 09.00–04.00. – 3) R. Panamericana, Rua Riachuelo 275, Sao Paulo: 09.30–04.30. – 4) R. Mineira, Rua Goias 34, Belo Horizonte: 10.00–15.30, 17.00–02.00. – 5) R. Soc. da Bahia, Rua Portugal 6, Salvador: 08.00–11.00, 12.00–16.00, 18.00–01.00. – 6) R. Excelcior da Bahia, Rua Guedes de Brito 14-A, Salvador: 11.00–02.00. – 7) R. Mundial, Rio Branco 181, Rio de J.: 09.30–04.00. – 8) R. Nordeste, Rua Joao Pessoa 86, Natal:09.00–3.00. – 9) R. Jornal do Brasil, Av. Rio Branco 110–112, Rio de J.: 10.00–03.00. – 10) R. Tupi, Rua 7 de Abril 230, Sao Paulo: 10.00–04.00. – 11) Soc. R. Emissora Metropolitana, Rua do Riachuelo 48, Rio de J.: 10.00–03.00. – 12) R. Nacional de Sao Paulo, Rua 24 de Mayo 208, Sao Paulo, 09.00–05.00. – 13) R. Espirito Santo, Rua Arariboia 48, Vitoria: 10.00–14.00, 19.00–01.00. – 14) R. Globo, Av. Rio Branco 183, Rio de J.: 09.00–03.00. – 15) R. Sao Paulo, Av. Angelica, Sao Paulo: 08.30–16.00. – 16) R. Tupi, Rio de J., Av. Venezuela 43, Rio de J.: 10.00–03.00. – 17) R. Iracema de Fortaleza, Rua Guilhermo Rocha 250, Fortaleza: 10.00–02.00. – 18) R. Guarami, Rua Goias 34, Belo Horizonte: 11.00–03.00 – 19) R. Guanabora Av. 13 de Mayo, 23–25, Rio de J.: 10.00–03.15. – 20) R. Roquette Pinto, Av. Almirante Barroso 81, Rio de J.: 11.00–03.00. – 21) R. America, Rua da Causolaçao 166, Sao Paulo: 08.30–05.00.

RADIODIFUSORA BRASILEIRA – 2340/1470 kc/s. – ADDRESS: Caixa Postal 173, Uberlandia. Minas Gerais. – VERIFICATION by letter.

R. CARAJA DE ANAPOLIS – 2420/1480 kc/s. – ADDR.: Praca Bom Jesus 41, Anapolis.

R. CULTURA DE ARACATUBA – 2450/1330 kc/s. – ADDR.: Rua Osvaldo Cruz 67, Aracatuba.

R. CULTURA ARARAQUARA – 2480/1370 kc/s. – ADDRESS: Av. Espanha 284, Araraquara, Sao Paulo. Cable: Radio. – LEADING PERSONALITIES: Dir.: Romulo Lupo. Vice-Dir.: Rolando Lupo. Manager: J. A. Q. dos Santos. – ANNOUNCEMENT: "Emissoras da Radio Cultura Araraquara".

R. CLUBE DE MARILIA – 3255/1090 kc/s. – ADDRESS: Rua Paes Leme 20, Marilia, Sao Paulo.

R. TAMANDARE – 3265/890 kc/s. – ADDRESS: Av. Cruz Cabuja 394, Recife, Pernambuco. – VERIFICATION by QSL-card.

BAURU RADIO CLUBE – 3275/1210 kc/s. – ADDRESS: Rua° 1 de Agosto 635, Bauru, Sao Paulo. – VERIFICATION by letter.

R. APARECIDA – 3285/9620/1600 kc/s. – ADDRESS: Aparecida do Norte.

R. BORBOREMA – 3325/1350 kc/s. – ADDRESS: Rua Cardoso Vieira 36, Campina Grande.

A VOZ DO SERTAO – 3335/820 kc/s. – ADDRESS: Caixa Postal 5, Pres. Prudente, Sao Paulo.

R. CULTURA DA BAHIA – 3345, 9595, 15525/1010, 1440 kc/s. ADDRESS: Avenida 7 de Setembro Nr. 311, Salvador, Bahia. – LEADING PERSONALITIES: Pres. Eng.: M. R. Rocha. Dir. Eng.: J. R. Rocha. – ANNOUNCEMENT: "ZYN20 e ZYN22, pertencentes a RADIO CULTURA DA BAHIA, da redebahiana de emissoras, irradiando em cadeia para todo o Brasil, em ondas médias, intermediarias, curtas e em F.M.". – VERIFICATION by QSL-card.

R. ELDORADO – 3385 kc/s. – ADDRESS: Av. Presidente Vargas 417, Rio de Janeiro, Distrito Federal.

R. BRAZIL – 4755/1390 kc/s. – ADDRESS: Caixa Postal 625, Campinas, Sao Paulo. – VERIFICATION by letter.

R. PROGRESSO – 4775 kc/s. – ADDRESS: Caixa Postal 2071, Sao Paulo.

R. RIBAMAR – 4785/1410 kc/s. – ADDRESS: Caixa Postal 48, Sao Luiz, Maranhao.

RADIODIFUSORA DO GUAPORE – 4785 kc/s. – ADDRESS: Casa do Radio, Porto Velho, Territorio Federal do Guaporé. – INTERVAL-SIGNAL: Gong. – VERIFICATION by QSL-card or letter.

RADIODIFUSORA DO AMAZONAS – 4805 kc/s. – ADDRESS: Rua Joaquim Sarmento 100, Manaus, Amazonas.

R. EDUCADORA DE PARNAIBA – 4825/1470 kc/s. – ADDRESS: Caixa Postal 31, Parnaiba, Piaui. – VERIFICATION by letter.

R. SOCIEDADE TRIANGULO MINEIRO – 4835/1390 kc/s. – ADDRESS: Rua Vigario Silva, Uberaba, Minas Gerais.

RADIODIFUSORA DE TERESINA – 4845/1370 kc/s. – ADDRESS: Aerolino de Abreu 1157, Teresina, Piaui.

RADIODIFUSORA TAUBATE – 4855/720 kc/s. – ADDRESS: Taubate, Sao Paulo. – LEADING PERSONALITIES: President: A. Guisard. Dir. Gen.: E. A. Beringhs. Dir. Tec.: B. M. Pereira. Commercial Dir.: E. A. Beringhs Jr. – VERIFICATION by QSL-card.

RADIO CLUBE DO PARA – 4865/1450 kc/s. – ADDRESS: Rua dos Jurunas, Belem, Para. – SIGNATURE-TUNE: "Poem by Fribich" – VERIFICATION by QSL-card.

R. CULTURA DE POCOS DE CALDAS – 4885, 9645/1350 kc/s. – ADDRESS: Praca Pedro Sanches No. 143, Pocos de Caldas. Minas Gerais. – LEADING PERSONALITIES: Pres.: Dr. José Ribeiro Rocha. Dir. Gen.: Dr. Geraldo Tasso de Andrade Rocha. Dir. Tec.: M. R. Rocha. – News: Every hour on the hour. – ANNOUNCEMENTS in Portuguese, English, French, Spanish. – VERIFICATION by QSL-card or letter.

R. BARE – 4895 kc/s. – ADDRESS: Ar. Eduardo Ribeiro 566, Manaus, Amazonas.

R. RELOGIO FEDERAL – 4905/1490 kc/s. – ADDRESS: Caixa Postal 4543, Rio de Janeiro, Distrito Federal. – STANDARD TIME SERVICE: Broadcasts short commercial advertisements, weather forecasts, and give the exact time each minute in Portuguese. – VERIFICATION by letter. IRC required.

R. DIFUSORA DE MACAPA – 4915/1460 kc/s. – ADDRESS: Av. Candido Mendes s/m, Macapá.

R. INDUSTRIAL DE JUIZ DE FORA – 4925/1090 kc/s ADDRESS: Rua Alfeld, Juiz de Fora, Minas Gerais.

R. POTI – 4935/1270 kc/s. – ADDRESS: Av. Deodore 245, Natal, Rio Grande do Norte. – VERIFICATION by letter.

R. CULTURA DE CAMPOS – 4955/1110 kc/s. – ADDRESS: Rua Lacarda Sobrinalio 6, Campos.

R. MAPINGUARI – 4965/680 kc/s. – ADDRESS: Rua Cel. Mareira Cesar 83, Sao Gonçalo.

R. TIMBIRA – 4975/15215/1490 kc/s. – ADDRESS: Edificio da Imprensa Official, Sao Luiz, Maranhao.

A VOZ DO OESTE – 4985/1160 kc/s. – ADDRESS: Rua Barao do Melgaco 484, Cuiaba, Mato Grosso.

R. BRASIL CENTRAL 4995/9755/11815/1270 kc/s. – ADDRESS: Caixa Postal 330, Goiania, Goias. Cable: "Errebece". – LEADING PERSONALITIES: Dir. Gen.: W. C. Quinta. Dir. Tec.: O. Consorte. Dir. of Prgr.: L. C. P. Neto. – DAILY PROGR.: Mo.: 02.00–02.30. "World at your Home" (News in English, Spanish, Portuguese".) – VERIFICATION by QSL-card or letter. –

FUNDACAO R. MAUA – 5015/9705/11885/1150 kc/s. ADDRESS: Palacio do Ministerio do Trabalho ,Rio de J.

R. QUITANDINHA – 5045/780 kc/s. – ADDRESS: Caixa Postal 5292, Rio de Janeiro. – INTERVAL-SIGNAL: Gong. – SIGNATURE-TUNE: "Aquarelas no Brasil". – VERIFICATION by QSL-card.

R. GAZETA – 5955/9685/15325/890 kc/s. – ADDRESS: Rua da Conceicao 88, Sao Paulo.

R. GUAIBA – 5965/11785/720 kc/s. – ADDRESS: Rua dos Andradas 972, Porto Alegre.

R. INCONFIDENCIA – 6000, 15190/880 kc/s. – ADDRESS: Caixa Postal 1027, Belo Horizonte, Minas Gerais. – VERIFICATION by QSL-card.

R. CLUBE DE PERNAMBUCO – 6015/720 kc/s. – ADDRESS: Av. Cruz Cabuga 394, Recife, Pernambuco. – VERIFICATION by QSL-card.

R. EMISSORA DE PIRATININGA – 6025, 11745/1200 kc/s. – ADDRESS: Praca do Patriaca 26, 3° and., Sao Paulo.

R. CLUBE PARANAENSE – 6045/11935/1440 kc/s. – ADDRESS: Caixa Postal 1448, Curitiba, Parana. – VERIFICATION by letter. – FUTURE PLANS: s.w. to be increased to 25 kW.

R. RECORD – 6055, 9505, 11965, 15135/1000 kc/s. – ADDRESS: Rua Quintino Bocaiuva 22, Sao Paulo. – Stations PRB21 (6055) & PRB23 (15135 kc/s) are relaying. **R. Pan Americana** (620 kc/s), Rua Riachulo 275, 14° andar, Sao Paulo. – Station PRB24 (11965 kc/s) is relaying. **R. Sao Paulo** (1260 kc/s), Sao Paulo.

R. RURAL BRASILEIRA – 6065/15105 kc/s. – ADDRESS: Ministério da Agricultura, Largo da Misericordia, Distrito Federal. – LEADING PERSONALITIES: Dir. of Agricultural Information Service: Manuel Diégues Junior. Dir. of R. Rural: Mario Augusto da Rocha. – The programmes (educational information for the rural population) consist of music, news, reportages and plays.

R. JORNAL DO COMMERCIO – 6085, 9565, 11825, 15145/780 kc/s. ADDRESS: Rua Marques do Recife S/N Recife. Cable: "Radiocommercio". – LEADING PERSONALITIES: Dir. Gen.: Dr. F. Pessoa de Queiroz. English Announcer: Miss Janet Slater Swaton. – DAILY PROGR.: 780 kc/s: 08.55–03.00. 9565 kc/s: 10.00–16.05, 18.00–02.20. 11825 kc/s: 21.00–02.20. 15145 kc/s: 10.00–18.00. News: 10.00–10.15, 11.00–11.05, 15.30–15.45, 16.00–16.05, 21.00–21.15, 22.25–22.30, 01.30–01.35, 02.00–02.20. English on 9565 kc/s: "About Brazil": W.: 01.05–01.30. "Brazil Calling": Sun.: 21.30–21.55. – During Brazilian summertime 1.12–31.3 all programmes are broadcast 1 hour earlier. – ANNOUNCEMENT: Portuguese: "Pernambuco Falandopara o Mundo. Radio Jornal do Commercio, Recife, Pernambuco, Brazil". English: "Pernambuco Speaking to the World. This is "Brazil Calling"". – INTERVAL-SIGNAL: Some bars of the Pernambuco Anthem. – VERIFICATION by QSL-card. Return postage required.

R. DIFUSORA SAO PAULO – 6095/11765/15155/960 kc/s. – ADDRESS: Rua Piracicaba, Sao Paulo. – Prgr. in Japanese 10.00–11.00. – VERIFICATION by QSL-card.

CEARA RADIO CLUBE – 6105, 15165/1200 kc/s. – ADDRESS: Caixa Postal 222, Fortaleza. – VERIFICATION by letter.

RADIO EXCELSIOR – 6125/9585/15265/670 kc/s. – ADDRESS: Rue 24 de Maio, 13°and., s/24, Sao Paulo.

R. SOCIEDADE GAUCHA – 6135, 680 kc/s.
ADDRESS: Avenida Borges de Medeiros, Edificio Uniao, 119° and., Porto Alegre, Rio Grande do Sul. – DAILY PROGR.: Progr. on 6135 kc/s at 03.00–05.00 dedicated to foreign listeners. – VERIFICATION by QSL-card.

R. NACIONAL – 6147, 9720, 11720, 17850/980 kc/s. – ADDRESS: Praca Maua, 7–20° andar, Rio de Janeiro. – LEADING PERSONALITIES: Director General: H. Domingues. Director of Progr.: P. Tapajos. Dir. Tec.: J. Nobrega. – DAILY PROGR.: On 980, 6147 and 9720 kc/s: 08.45–04.10. On 11720 and 17850 kc/s irregularly. News: 09.45, 11.00, 13.00, 15.55, 20.00, 20.45 (Sun.), 23.25, 01.55, 04.00, Spanish: 20.30 on 9720 kc/s. – ANNOUNCEMENT: "Ouwem a R. Nacional de Rio de Janeiro, Brazil, transmitindo atravez de suas emissoras de ondas curtas, médias e frequencia modulada". – INTERVAL-SIGNAL: First movement of the Brasilian musical poem: "Luar do Sertao". – VERIFICATION by QSL-card and letter. Return postage not required.

R. CULTURA "A VOZ DO ESPACO" – 6165/9675/17815 kc/s. – ADDRESS: Av. Sao Joao 1285, Sao Paulo.

R. BANDEIRANTES – 6185, 11925/840 kc/s/FM – 96.1 mc/s. – ADDRESS: Rua Paula Souza 181, 4° and., Sao Paulo. – LEADING PERSONALITIES: Pres.: Joao Jorge Saad. Dir. Gen.: Luiz Cassio dos Santos Werneck. Secretary Gen.: Alberto Saad. Commercial Dir.: Murillo Pereira Leite. Dir. of Progr.: Luiz de Oliveira. – DAILY PROGR.: 840 kc/s: 00.00–24.00. 6185 kc/s: 08.45–03.00. 11925 kc/s: 08.45–16.30, 21.00–03.00. German & Portuguese: D. 21.30–22.00 on 11925 kc/s. –
ANNOUNCEMENT: "Radio Bandeirantes de Sao Paulo, transmitindo simultaneamente pelas suas estaçoes: PRH9 ondas medias, 840 kc/s. ZYR77 ondas curtas, 6185 kc/s. ZYR78 ondas curtas, 11925 kc/s". – INTERVAL-SIGNAL: Vibraphone & organ. – VERIFICATION by QSL-card. – FUTURE PLANS: A Television station to be opened shortly.

R. SOC. EMISSORA CONTINENTAL – 6195/11735/15415/1430 kc/s. – ADDRESS: Rua Riachuelo 48, Rio de J.

R. TAMOIO – 6200/9610/15370/900 kc/s. – ADDRESS: Av. Venezuela 43, 2° andar, Rio de. Janeiro – VERIFICATION by QSL-card. Return postage required. – Station ZYC9 (15370 kc/s) is relaying RADIO TUPI (1280 kc/s), Av. Venezuela 43, 3! andar, Rio de Janeiro.

AGENCIA NACIONAL – 7935, 10220/15205 kc/s. – ADDRESS: Ministerio da Justicia e Negocios Interiores, Av. Presidente Wilson 164, 8° andar, Rio de Janeiro. – DAILY PROGR.: "A Voz do Brazil" is relayed by all Brazilian stations dily exc. Sun. 21.30–22.00.

R. EMISSORA PARANAENSE – 9545/1210 kc/s. – ADDRESS: Rua Senador. Alencar Guimaraes. 97.5 andar, caixa Postal 471, Curitibâ, Paranaense.

R. MAYRINK VEIGA – 9575/11775/1220 kc/s. – ADDRESS: Rua Mayrink Veiga 15–17, Rio de J.

R. CULTURA – 9675/1300 kc/s. – ADDRESS: Av. Sao Joao 1285, Sao Paulo.

R. MINISTERIO DE EDUCADORA* – 9770, 11950/17875/ 800 kc/s. – ADDRESS: Servicio de Radio Difusao Educadora, Praça da Republica 141-A, 3°and., Rio de Janeiro. – DAILY PROGR.: Spanish: 02.00–02.30. – VERIFICATION by letter.

CHILE

ASOCIACION DE RADIODIFUSORAS DE CHILE (ARCHI) – Address: Casilla 359, Santiago de Chile. Cable: Archi. – Leading Personalities: Pres.: Sr. Ricardo Vivado Orsini. Dir. Tec.: Sr. Vivado. Secr.: Sr. Julic Menadier Carrasco.
STATIONS: Short Waves: Call letters CE are used for all Zones. Medium Waves: Call letters CA, CB, CC, CD indicate: A=North Zone, B=Central Zone, C=South Zone, D=Anarctic Zone. The figures indicate the frequencies in kc/s minus one cipher, f. inst. CB82=Central Zone 820 kc/s.
Language: Spanish. All stations commercial.

Short Waves:

Call	kc/s	m	kW	m.w.		Hours of transm.
CE8AA[1])	5750	52.18	0.5	570	R. Soc. Nacional de Agricultura	10.30–04.30 (A)
CE601	6010	49.92	5	1270	Emisoras Norte	11.30–04.00 (B)
CE604	6040	49.67	5	900	R. Libertad	11.00–04.00
CE610	6100	49.18	0.25	900	R. Calama	11.00–04.00
CE615	6150	48.78	5	730	R. Cooperativa Vitalicia	11.30–04.00 (B)
CE619	6190	48.47	5	1140	R. Corporacion	11.25–04.00
CE622	6220	48.23	5	1060	R. Soc. Nacional de Mineria	11.30–04.30 (C)
CEZ76	7660	39.16	1	1010	R. Yungay	11.30–06.30
CE960	9600	31.25	2.5	1300	R. La Americana	10.45–05.00
CE1173	11730	25.58	2.5	1060	R. Soc. Nacional de Mineria	11.30–04.00 (C)
CE1174	11740	25.55	5	930	R. Nuevo Mundo	11.25–05.00
CE1180	11800	25.42	1	570	R. Soc. Nacional de Agricultura	10.30–04.30 (A)
CE1185	11850	25.32	2.5	1380	R. La Aurora	12.00–04.00
CE1190	11900	25.13	5	730	R. Cooperativa Vitalicia	11.30–04.0 (B)0
CE1515	15150	19.80	5	1140	R. Corporacion	11.25–04.00

[1]) experimental.

Medium Waves:

Call	kc/s	m	kW	s.w.		Call	kc/s	m	kW	s.w.		Hours of transm.
CB57	570	525	15	5750	A[1]	CB82	820	365.9	1		[17]	
CC59	590	508.5	1		B[2]	CA82	820	365.9	0.5		[18]	
CB62	620	484	2		[3]	CC84	840	357.1	0.8		[19]	
CB63	630	476.2	1		B[4]	CD84	840	357.1	1.5		[20]	
CA63	630	476.2	0.25		[5]	CB84	840	357.1	1		[21]	
CD63	630	476.2	1		B[6]	CD89	890	337.1	1		[22]	
CA64	640	468.5	0.5		[7]	CB89	890	337.1	1		[23]	
CC64	640	468.5	1		[8]	CC90	900	333	0.1		[24]	
CB66	660	455	12		[9]	CB90	900	333	1		[25]	
CB68	680	441	1		[10]	CA90	900	333	1	6040	[26]	
CC68	680	441	0.5		[11]	CB93	930	323	10	11740	[27]	
CD69	690	435	1.2		[12]	CA96	960	312	0.3		[28]	
CB70	700	428.6	1		[13]	CC96	960	312	0.25		[29]	
CA70	700	428.6	0.25		[14]	CB97	970	309	1		[30]	
CB76	760	395	75		[15]	CD101	1010	297	1		B[31]	
CB73	730	411	10	6150/B[16] 11900		CB101	1010	297	1	7660	[32]	
						CD103	1030	291	1		B[33]	

CB103	1030	291	1		34	CA127	1270	236	0.25	6010 B[49]
CB106	1060	284	10	6220 C[35]		CC127	1270	236	0.25	50
				11730		CB130	1300	231	1	9600 51
CA108	1080	278	1	C[36]		CD132	1320	227	1	52
CC109	1090	275	1		37	CB132	1320	227	1	53
CD111	1110	270	1.25		38	CB134	1340	224	1	54
CB111	1110	270	1		39	CC133	1330	226	0.15	55
CC111	1110	270	0.1		40	CD135	1350	222	0.5	56
CB114	1140	264	50	6190 41		CB138	1380	217	15	11850 57
				15150		CC141	1410	213	1	5/ 58
CC116	1160	259	1.5		42	CB141	1410	213	1	59
CB118	1180	254	25		43	CB142	1420	211	0.25	60
CD121	1210	248	10	A[44]		CC143	1430	210	1	61
CA121	1210	248	0.25		45	CC148	1480	203	0.25	62
CB124	1240	242	0.25		46	CC144	1440	208	1	63
CC125	1250	240	1		47	CC152	1520	197	0.25	64
CB126	1260	238	1		48	CB156	1560	192	1	65

A=Soc. Nac. de Agricultura.B=Cia Chilena de Communicaciones.
C=Soc. Chilena Radiodifusoras S.A.

Addresses and Leading Personalities:

1. Soc. Nac. de Agricultara Augustinas No 718 Santiago. – Sr. Raul Santa Maria.
2. Condor, Casilla 486, Concepcion.
3. La Reina, Nueva York 25, Santiago. – Sr Guillermo Camus.
4. Prieto, Edwards 382, Valparaiso.
5. Esmeralda, Casilla 209, Iquique. – Sr Antonio Cajino.
6. Sur, Casilla 60-D, Valdivia.
7. Norte Verde, Casilla 252, Ovallé. – Sr Francisco Morales.
8. El Sur, Casilla 482, Concepcion. – Sr Mario Saez Lagos.
9. Chilena, Rosas 1269, Santiago. – Sr Hector Valenzuela.
10. Soc. Nac. de Mineria, Casilla 337, Viña del Mar. – Sr L. Muñoz.
11. Lautaro, Casilla 214, Talca – Sr E. Camel Belthan.
12. La Frontera, Casilla 516, Temuco – Sr Daniel de Mayo.
13. Santiago, Bandera 657, Santiago – Sr Ruperto Vergara.
14. Coya, Maria Elena, Antofagasta, and Casilla 13260, Santiago – Sr Nicanor Lora.
15. Cooperat. Vitalicia, Bandera 236, Santiago. – Sr José M. Xicota.
16. Cooperat. Vitalicia, Casilla 1627, Valparaiso. – Sr L. Falcone.
17. Del Pacifico, Portal F Concha 960, Santiago. – Sr Ricardo Vivado.
18. Del Salitre, Casilla 7-D, Iquique. – Sr Waldo Concha.
19. Almte. Latorre, Casilla 358, Talcahuano. – Sr Alejandro Deij.
20. Sago, Casilla 35-O, Osorno. – Sr Pablo Burgos.
21. Recreo, Valparaiso 625, Viña del Mar. – Sr Enrique Godoy D.
22. Polar, Casilla 447, Punta Arenas. –
23. Bulnes, Estado 360, Santiago. – Sr Carlos Briceño.
24. El Roble, Casilla 37 Parral. – Sr Juan Rogazy C.
25. Soc. Nac. Agricultura, Cacilla 90, Valparaiso,
26. Libertad, Casilla 457, Antofagasta. – Sr Antonio Cajiao.
27. Nuevo Mundo, Alameda 924, Santiago. – Sr Juan Raggio.
28. Riquelme, Casilla 141, Coquimbo. – Sr. Cesar Nieme.
29. Condell, Yungay 10, Curico. – Sr Alberto Guèrra.
30. Prat, S. Lucia 270, Santiago. – Sr Pedro Valenzuela.
31. Llanquihue, Casilla 356, Puerto Montt.
32. Yungay. Huerfanos 930, Santiago. – Sr Guillermo Castillo.
33. Cautin, Casilla 169, Temuco.
34. Caupolican, Condell 1459, Caupolican. – Sr Lucia D'Ambra.
35. Soc. Nac. de Mineria, Moneda 973, Santiago. Sr. E. Sanchez.
36. Serena, Casilla 118, La Serena.
37. Rancagua, Casilla 21, Rancagua. – Sr Jorge Romero.
38. Austral, Casilla 40-D, Punta Arenas. – Sr Victor Turina.
39. Los Castaños, Casilla 534, Viña del Mar. – Sr J. Venegas.
40. Centenario, Casilla 18, San Javier. – Sr Mario Gaete.
41. Corporacion Chilena de Broadcasting, Morande 25, Santiago. – Sr Andres Moreno.
42. Simon Bolivar, Casilla 318, Concepcion. – Sr Antonio Jaen.
43. Christobal Colon, Prat 814, Valparaiso. – Sr A. Izy Reyes.
44. Soc. Nac. Agricultura Los Angeles, Casilla 327, Los Angeles.
45. Atacama, Casilla 57, Copiapo.
46. Valparaiso, Uruguay 836, Valparaiso. – Sr Edw. Benovides.
47. Lircay, Casilla 450, Talca Sr. H. Vaccaro.
48. Nacional S. Diego 236, Santiago. – Sr Luis H. Sorrel.
49. Emisoras Norte, Casilla 708, Antofagasta. – Sr Ed. Torrens.
50. Nuble, Casilla 21-B, Chillan. – Sr Victor Bustos E.
51. La Americana, Nueva York 53, Santiago. – Sr Hector Gonzalez.
52. Baquedano, Casilla 758, Valdivia. Sr. C. Cockbaine.
53. Cochrane, Casilla 857, Valparaiso. – Sr David Wallace.
54. Cervantes, 21 de mayo 617, Santiago.
55. La Discusion, Casilla 14-D, Chillan. – Sr Lautaro Vergara O.
56. La Voz del Sur, Casilla 226, Punta Arenas. – Sr H. C. Wilson.
57. Aurora de Chile, Plaza Bulnes 47, Santiago.
58. Araucania, Casilla 462, Concepcion. – Sr Rafael Arjona.
59. Chacabuco, Casilla 252, Quillota. – Sr Enrique Lopez.
60. Osman Perez Freire, Ejercito 608, Santiago. – Sr Oscar Moraga.
61. Molina, Casilla 132, Molina. – Sr R. J. Garay.
62. Manuel Rodriguèz, San Fernando. – Sr Luis Guerra.
63. El Cobre, Casilla 21, Rancagua.
64. Soberania, Casilla 11-D, Linares. – Sr R. Abasolo.
65. Sargento Aldea, Casilla 38, San Antonio. – Sr Ernesto Boyey.

A: SOCIEDAD NACIONAL DE AGRICULTURA
DAILY PROGRAMMES: N.: 10.30, 11.30, 12.25, 16.45, 17.25, 17.50, 00.55, 02.25. – **"French Hour":** 17.00. – **"German Hour":** 23.00.
ANNOUNCEMENT: "Radiosociedad Nacional de Agricultura CB57 onda larga CE575 y CE1180 ondas cortas en las bandas de 52 y 25 metros transmitiendo simultaneamente con sus filiales CB90 de Valparaiso y CD121 de Los Angeles, Chile". – **VERIFICATION** by QSL-card.

B: COOPERATIVA VITALICIA
DAILY PROGRAMMES: N.: CB73: 11.30, 17.00, 01.00, 04.00. CB76: 11.30, 12.15, 16.00, 16.45, 17.15, 19.00, 20.00, 21.00, 22.00, 23.00, 23.45, 00.30, 01.00, 02.25, 02.35. – **Chilian Music:** 01.30. – **Sport:** Sat. 19.15, Sun. 19.00. – **German:** Wed. 22.45–23.45.
ANNOUNCEMENT: "La Voz de Chile para Toda America". When all stations transmitting simultaneously "Transmite Radio Cooperativa Vitalicia y la Primera Cadena Chilena de Emisoras".
INTERVAL-SIGNAL: Gong with the first 5 notes from the march "Pomp and Circumstances" by Elgar. **VERIFICATION** by letter.

C: SOCIEDAD NACIONAL DE MINERIA
DAILY PROGRAMMES: N.: CB106: 11.30, 12.30, 16.45, 17.30, 00.30, 01.00, 02.30, 03.30, 04.00.
ANNOUNCEMENT: "Santiago de Chile. Radio Sociedad Nacional de Mineria".
INTERVAL-SIGNAL: Gong. **VERIFICATION** by QSL-card.

R. CORPORACION CHILENA DE BROADCASTING –
DAILY PROGRAMMES: N.: 11.30, 13.00, 14.00, 15.00, 16.00, 17.00, 18.00, 21.00, 22.00, 23.00, 03.00. – **"Italian-Chilian Hour":** 17.30. – **Chilian Music:** 00.30.
ANNOUNCEMENT: "Transmite CB-114 Radio Corporacion de Santiago-Chile, con sus ondas cortas en 19 y 49 metros".

R. YUNGAY
DAILY PROGRAMMES: N.: 12.30, 13.00, 13.30, 15.30, 16.00, 16.30, 17.00, 17.30, 18.00, 23.00, 23.30, 00.30, 01.00, 02.30, 04.00. – **"Italian Hour":** 11.30, 23.30. – **Chilian Music:** 23.00, 01.30.
ANNOUNCEMENT: "CB101 y CE766 Estaciones de Radio Yungay de la Corporacion Chilena de Radiodifusion Ltda. Santiago de Chile".
INTERVAL-SIGNAL: First movement of the song "Donde el Azul de la Noche encuentra el Ovo del Dia". **VERIFICATION** by letter.

R. LA AMERICANA
DAILY PROGRAMMES: N.: 10.45, 11.30, 12.30, 01.30, 02.30, 03.30. **Time-Signal:** Every 3 minutes. – **Chilian Music:** 18.00. – **"Hebrew Hours":** 01.00.
INTERVAL-SIGNAL: Gong with notes from the melody "Los Copihues Rojos". **VERIFICATION** by QSL-card.

R. AURORA DE CHILE
Daily Programmes: N.: 12.00, 16.00, 19.00, 01.00, 03.00. – **Chilian Music:** 21.00. – **"German Hour":** 24.00.

R. CHILENA
Daily Programmes: N.: 11.05, 11.45, 12.00, 17.15, 22.15, 01.05, 01.45. **"French Hour": W.:** 13.00. – **Classical Music:** 17.30, 23.30, 01.00.
ANNOUNCEMENT: "Esta es Radio Chilena CB66, Santiago de Chile".

D. R. MILITAR AUSTRAL (Military).
ADDRESS: Punta Arenas. – **Station:** CD125 1250 kc/s 240 m 0.5 kW. Short Wave CE920 9200 kc/s 32.61 m 0.5 kW. **D. Prgr.:** 00.00 03.30.
R. CALAMA – ADDR.: Casilla 1, Calama. **L. P.:** Sr. P. V. Keller.

COLOMBIA

STATIONS: All stations commercial exc. those marked *) or §). A= St. belonging to CADENA NACIONAL, B=St. belonging to CADENA RADIAL COLOMBIANA. **Language: Spanish.**
Short Waves:

Call	kc/s	m	kW	m.w.		
*)HJGO	3250	92.31	10	1580	R. Sutatenza	
HJEL	4765	62.95	5		Radiodifusora de Occidente, Cali	12.00–04.00
HJAB	4785	62.70	5	730	Emisoras Unidas	11.00–05.00
HJFU	4795	62.50	0.75	1250	Voz del Comercio	13.00–04.00A
HJBB	4815	62.34	0.75	1270	La Voz del Cúcuta	12.00–04.00
HJHC	4825	62.18	1	1350	R. Narino	12.00–04.30A
HJKE	4835	62.05	1	920	R. Continental	13.00–02.30
HJGF	4845	61.92	1	1130	R. Bucaramanga	13.00–19.00B
HJFV	4855	61.79	1	1240	R. Neiva Neiva	13.00–03.30
HJEV	4865	61.66	0.75	1330	La Voz de Pereira	12.30–04.30A
HJBG	4875	61.54	2.5	1350	La Voz del Norte	13.00–03.30

Colombia

Call	kc/s	m	kW	m.w.		
HJCH	4895	61.29	5	890	La Voz de la Victor	13.00–04.00
HJAG	4905	61.23	1	1050	Emisora Atlantico	12.00–03.00A
HJEQ	4915	61.04	1	1560	La Voz del Cauca	12.00–04.00A
HJAR	4925	60.95	1	1400	R. Colonial	12.30–03.00
HJFR	4935	60.80	1	1440	Ondas de Ibague	11.00–03.00A
HJCW	4945	60.66	5	1160	Emis. Sur America	12.00–04.00
HJCQ	4955	60.54	10	680	R. Nacional	12.00–05.00
HJAE	4965	60.42	1	930	Emisora Fuentes	11.30–05.00B
HJFW	5020	59.76	1	1050	Transmis. Caldas	13.00–05.00A
HJDW	5055	59.36	5	980	La V. de Medellin	12.00–04.30A
*)HJKH	5075	59.13	25		Accion Cultural Popular.	
HJCF	5960	50.34	5	860	La Voz de Bogota	12.00–02.00
HJDY	5980	50.16	10	650	R. Libertad	12.00–04.30
HJKD	6000	50.00	10	830	Em. Nuevo Mundo	11.30–05.15
HJFH	6010	49.92	1	1080	La Voz de Armenia	11.30–04.00B
HJCX	6018	49.85	5	710	La Voz de Colomb.	12.00–24.00
HJLB	6040	49.67	10	950	La Voz del Tolima	12.30–03.30
HJEA	6055	49.55	1	1030	R. Pacifico	12.00–04.30A
HJFD	6105	49.14	5	620	R. Manizales	12.00–04.00B
HJFK	6135	48.90	1	1150	La Voz del Valle	12.00–04.00
HJDE	6145	48.82	10	770	La Voz de Antioq.	12.00–05.00B
HJKJ	6160	48.70	5	600	Nueva Granada	12.00–04.30A
*)HJCT	6180	48.54	10	680	R. Nacional	12.00–05.00
HJEZ	6195	48.43	5	900	La Voz de Cali	11.30–05.00
HJKF	9520	31.51	10	830	Em. Nuevo Mundo	11.30–05.15
*)HJTC	9600	31.25	15	800	R. Militar	14.00–04.00
*)HJKZ	9630	31.15	10		Mined. Ext. Cultur.	19.00–22.00
HJCQ	11680	25.68	10	680	R. Nacional	12.00–05.00
*)HJKQ	11760	25.51	10		Mined. Nal. Cultur.	19.00–22.00

Medium Waves:

Call	kc/s	m	kW	s.w.	Call	kc/s	m	kW	s.w.
HJKL	600	500	10	6160A	HJGE	1130	266	1	4845B
HJFB	620	484	20	6105B	HJEB	1150	261	1	6135
HJDO	650	462	25	5980	*)HJGJ	1150	261	1	a)
*)HJKA	680	441	10	**)	HJCO	1160	259	5	4945
HJCZ	710	423	10	6018	HJBJ	1170	256	2	3)
HJAN	730	423	10	4785B	HJDI	1240	242	5	4)
HJKM	740	405	5	1)	HJAU	1240	242	2.5	5)
HJDK	770	390	10	6145B	HJFP	1240	242	1	4855
*)HJTA	800	375	10	9600	HJFG	1250	240	1	4795A
HJKC	830	361	10	***)B	HJBC	1270	236	0.75	4815
HJCE	860	349	10	5960	HJAK	1310	229	1	
HJCI	890	337	10	4895	HJFE	1330	226	0.75	4865A
HJEY	900	332	10	6195	HJBF	1350	222	0.75	4875
HJCS	920	326	1	4835	HJHA	1350	222	1	4825A
HJAF	930	323	1	4865B	HJAP	1400	214	0.75	4925
HJLA	950	316	10	6040	HJFL	1440	208	1	4935A
HJDB	980	306	10	5055A	*)HJCY	1500	200	1	a)
HJER	1030	291	1	6054A	*)HJKU	1560	192	2	6)
HJAH	1050	286	1	4905A	HJEA	1560	192	1	4915A
HJFJ	1050	286	1	5020A	HJGP	1580	190	0.25	a)
HJFM	1080	278	0.75	6010B					

+57 low power commercial and 14 low power cultural stations.
*) Cultural. **) 4955/6180/11680 kc/s. ***) 6000/9520 kc/s. a) 3250/5075 kc/s.FM: 11 stations.

1) R. Capital, Bogota. 3) La Voz de Santa Marta, Santa Marta. 4) Em. Cultural Bolivariana, Medellin. 5) Ond. del Sinu, Monteria. 6) La V. de Maria, Bogota.

ACCION CULTURAL POPULAR – 3250, 5075/1580, 1150, 1500 kc/s. ADDRESS: Escuelas Radiofonicas de Sutatenza Apartado Aereo Nr. 7170, Bogota. – L. P.: Dir. G. Jimenez S. DAILY PRGR.: Schoolprogrammes: 11.00–21.00 & 23.00–00.45 (Mo.–Sat.). Music, News etc.: 01.15–02.40. VERIFICATION by QSL-letter.

EMISORAS UNIDAS – 4785/730 kc/s/FM – 90.0 mc/s

ADDRESS: Paseo de Bolivar y Avenida 13 de Junio, Apartado Aereo 154, Nacional 324, Barranquilla. Cable: Emisunidas.

LEADING PERSONALITIES: Directors and Owners: Sr. Rafael Roncallo Vilar, Sr. Rafael Fuentes. Dir. Gen.: Sr. Benigno Martinez de la Torre. Dir. of Progr.: Sr. Antonio Ahumada. Dir. Tec.: Sr. José Daniel Sánchez.

Daily Programmes: N.: 11.00, 17.00, 23.00. – Time-Sig.: Every half hour. – Religious Progr.: Protestant Service: Sun. 16.00–16.30. – Catholic Service: Sun. 00.00–00.30. – Sport: D.: 11.50, 17.20, 23.20. Station Identification: Every half hour. – Columbian Music: W.: 13.30–14.00. – Request Programmes: W.: 14.00–14.30, 22.00–22.30.

LA VOZ DEL COMERCIO – 4795/1250 kc/s. ADDR.:Armenia.

LA VOZ DE CUCUTA – 4815/1270 kc/s. – ADDRESS: Cucuta.

R. NARIÑO – 4825/1350 kc/s.

ADDRESS: Apartado Aéreo 390, Pasto. Cable: Radionariño.

LEADING PERSONALITIES: Dir.: Sr. Enrique Becerra B. Adm.: Sr. Marco Santacruz Diaz. Dir. of Progr.: Sr. Segundo Vallejo Martinez.

Daily Progr.: N.: 00.30–00.57, 03.00–03.27. – N. Headlines: Every hour. – Time-Sig.: Every half-hour. – Religious Progr.: D.: 17.30–18.00. – Colombian Music: 12.30, 22.00, 00.00. – Request Progr.: 16.30 23.30, 02.00. – Mailbag: D. 23.00. – Sport: D. 23.30.

INTERVAL-SIGNAL: Bells every half-hour.

VERIFICATION by QSL-card or letter.

R. CONTINENTAL – 4835/920 kc/s.

ADDRESS: Radiodifusion Colombiana S.A., Bogota.

R. BUCARAMANGA – 4845/1130 kc/s.

ADDRESS: Bucaramanga. – VERIFICATION by letter.

LA VOZ DE PEREIRA – 4865/1330 kc/s.

ADDRESS: Radio Cadena Nacional, Pereira.

VERIFICATION by letter.

LA VOZ DEL NORTE – 4875/1350 kc/s. – ADDRESS: Cucutá.

LA VOZ DE LA VICTOR – 4895/890 kc/s.

ADDRESS: Apartado 565, Bogota.

EMISORA ATLANTICO – 4905/1050 kc/s.

ADDRESS: Calle 34, No. 43–146, Apt. 174, Barranquilla. Cable: Emisatlan. – VERIFICATION by QSL-card.

LA VOZ DEL CAUCA – 4915/1560 kc/s. – ADDRESS: Popayán.

R. COLONIAL – 4925/1400 kc/s. – ADDRESS: Calle de Porvenir, Cartagena.

ONDAS DE IBAGUE – 4935/1440 kc/s. – ADDRESS: Ibague.

EMISORA SUR AMERICA – 4945/1160 kc/s.

ADDRESS: Correo 9a No. 12–23, Bogota. L. P.: Dir. A. N. Villegas. Dir. of Prgr.: F. M. Diaz. – VERIFICATION by letter. – FUTURE PLANS: Increase of power to 10 kW. – ANNOUNCEMENTS in Spanish and English. – VERIFICATION by QSL-card.

RADIO DIFUSORA NACIONAL DE COLOMBIA – 4955 6180, 11680/680 kc/s./FM 102.0 mc/s. – ADDRESS: Transversal 17 No. 25–65, Bogota. L. P.: Dir. Press & Information: J. L. Arango. Dir. of Broadc.: F. G. Agudelo. DAILY PROGR.: 12.00(Sun. 09.00)–05.00. N.: W. 13.00, 18.05, 22.30, 04.00. Sun. 18.00. "English by Radio": W.: 12.05–12.25.

EMISORA FUENTES – 4965/930 kc/s. – ADDRESS: Cartagena.

TRANSMISSORA CALDAS–5020/1050 kc/s. ADDR.: Manizales

LA VOZ DE MEDELLIN – 5055/980 kc/s.

ADDRESS: Radio Cadena Nacional, Apartado 1244, Medellin. VERIFICATION by letter.

LA VOZ DE BOGOTA – 5960/860 kc/s.

ADDRESS: Apartado 312, Bogotá. – VERIFICATION by letter.

R. LIBERTAD – 5980/650 kc/s.

ADDRESS: Apartado Aereo No. 10–20, Carrera 47 (Sucre) No. 53–29, Medellin. Cable: Radiolibertad. – VERIFICATION by QSL-card or letter.

EMISORAS NUEVO MUNDO – 6000, 9520/830 kc/s/FM

ADDRESS: Calle 12 No. 6–28, Bogotá. Cable: Nuevomundo.

LEADING PERSONALITIES: Dir.: Sr. Fernando Londoño Henao. Adm. and Dir. of Progr.: Sr. Alvaro Monroy Guzman.

DAILY PROGR.: N.: 12.30, 17.45, 03.00, 05.00. – Sport: After each newscast. – Religious Progr.: Sat. 23.15. – Colombian Music: 13.45, 19.00, 03.15. – Mailbag: 03.45.

VERIFICATION by QSL-card.

LA VOZ DE ARMENIA – 6010/1080 kc/s. – ADDRESS: Armenia.

LA VOZ DE COLOMBIA – 6018/710 kc/s/FM

ADDRESS: Carrera 9a, No. 12–23, Apartados: Postal no. 2665, Aereo No. 3855, Bogota. Cable: Vozcolombia.

LEADING PERSONALITIES: Dir.: Sr. Jesus Alvarez Botero. Dir. of Progr.: Sr. Julio Echeverri S. Dir. Tec.: Sr. Guillermo Padilla. Sports-Announcer: Sr. Pastor Londoño P.

DAILY PROGR.: On 6018 kc/s: 12.00–24.00. On 710 kc/s: 24 hours. N.: 03.00.

ANNOUNCEMENT: "La Voz de Colombia – 710 en su Radio".

INTERVAL-SIGNAL: First notes from Concert in A-minor by Grieg.

VERIFICATION by QSL-card.

LA VOZ DEL TOLIMA – 6040/950 kc/s./FM 93.0 mc/s. ADDRESS: Calle 12 No. 2–35, Apartado Aéreo 604, Ibague. – DAILY PRGR.: W. 12.30–03.30. Sun. 13.00–01.00. – VERIFICATION by QSL-card and letter.

R. PACIFICO – 6054/1030 kc/s.

ADDRESS: Radio Cadena Nacional, Apt. Nacional 559, Cali.

VERIFICATION by letter.

R. MANIZALES – 6105, 620 kc/s + FM 99.5 mc/s. ADDRESS: Manizales. L.P.: Dir. Gen.: Sr. Alberto H. Arango. Director: Sr. Leonidas Otologa G. – Chief Eng.: Sr. Guillermo Garcia. Dir. Prgr.: Sr. Gose L. L. Logreira.

DAILY PROGR.: N.: 17.30, 24.00. – VERIFICATION by letter.

LA VOZ DEL VALLE – 6135/1150 kc/s. – ADDRESS: Cali.

LA VOZ DE ANTIOQUIA – 6145/770 kc/s./FM

ADDRESS: Maracaibo 46–80, Medellin.

LEADING PERSONALITY: Adm.: Sr. A. Toro. – VERIFICATION by QSL-card.

EMISORA NUEVA GRANADA – 6160/600 kc/s + FM

ADDRESS: Radiocadena Bogota, Carrera 15 No. 13–47, Bogota.

LEADING PERSONALITIES: Dir.: Sr. Enrique Ramirez G. Adm.: Sr. José Molina. Coordinator: Sr. Luis Betancourt Tolosa. Dir. of Progr.: Sr. Otto Greifestein.

DAILY PROGR.: On 6160 kc/s: 12.00–24.00. On 600 kc/s: 12.00–04.30. N.: Every hour (2 minutes). – Religious Progr.: D.: 23.15–23.30. – Colombian Music: D.: 18.15–18.30, 22.00–22.15, 04.00–04.30. Mo. 02.00–02.30. – Request Progr.: D.: 14.30–15.00, 21.30–22.00. – Mailbag: D. 20.45–21.00. – Time-Sig.: Every half-hour. – Program Preview: D. 12.00–04.30. – Sport: D.: 17.30–18.00, 00.45–01.00 (Sun. Football). – Bourse: 17.00, 22.00.

VERIFICATION by letter.

LA VOZ DE CALI – 6195/960 kc/s./FM

ADDRESS: Cali. Cable: Vozcali.

LEADING PERSONALITY: Dir.: Sr. B. Tobón de la Roche.

R. MILITAR – 9600/800 kc/s. – ADDRESS: Bogota.

MINED. EXT./NAL .CULTURAL – 9630/11715 kc/s.

ADDRESS: Bogota.

LA VOZ DE LA PATRIA – 1310 kc/s.

ADDRESS: Apartado Aereo 231, Apartado Nacional 621, Barranquilla.

LEADING PERSONALITY: Dir. Gen.: Sr. Clemento Vasallo Manfroni.

DAILY PROGR.: Sat. until 02.00. N.: W.: 12.00–12.30, 00.00–00.30. Colombian Music: W.: 17.00–17.30, D.: 19.00–19.30. – French Hour: Sun. 17.30–18.00. – Italian Hour: Sun. 18.00–19.00. – Religious Progr.: Sun. 01.30–02.00.

EMISORA CULTURAL R. BOLIVARIANA – 1240 kc/s/FM 166.2 mc/s. ADDR.: Medellin. – L. P.: Dir. of Prgr.: B. Hoyes P. Dir. Tec.: J. Latorre. – DAILY PRGR.: 23.30–03.30. VERIFICATION by Radio.

ECUADOR

All stations commercial exc. HCJB. Principal Language: Spanish.

The prefixes indicate station location:

1 located in the provinces **Pichincha, Imbabura & Carchi**
2 – – – – **Guayas & Los Rios**
3 – – – – **Loja**
4 – – – – **Manabi & Esmeraldas**
5 – – – – **Azuay & Chimborazo**
6 – – – – **Tungurahua & Cotopaxi**

Stations: Short Waves:

Call	kc/s	m	kW	m.w.	
HC1GB	3325	90.23	1	1310	R. Nacional Espejo, Otavalo
HC2NL	3510	85.49	0.2	0.2	R. La Voz del Campesino, Naranja
HC5LR	3955	75.85	0.3		R. La Voz de Alausi, Alausi.
HC2JJ	3960	75.76	0.2		R. Ecos del Agro, Quevedo
HC5AO	4000	75.00	0.25		R. La Voz del Tomebamba, Cuenca
HC5HM	4750	63.16	0.25		R. Hermig
HC6LJ	4755	63.10	0.3		R. La Voz de Bolivar
HC4FA	4760	63.03	0.25		R. La Voz de Manabi, 01.00–03.30
HC4MX	4770	62.89	0.2		R. Cenit, Portoviejo
HC4DF	4780	62.76	0.2		R. La Voz de Chone
HC1LC	4780	62.76	0.2	824	R. Atahualpa
HC4AS	4789	62.63	0.25		R. La Voz de los Caras
HC4HV	4800	62.50	0.3		R. La Voz de Jipijapa
HC3RC	4810	62.37	0.25		R. Coro Santa Cecilia
HC4DC	4815	62.31	0.25		R. Cenit Manta
HC1MI	4870	61.60	0.5	1410	R. Gran Colombia, 10.30–15.00 16.30–06.00
HC3CV	4850	61.86	0.25		R. Ondas del Zamora
HC4DR	4870	61.60	0.25		R. Miramar
HC1GB	4880	61.48	0.3	1310	R. Nacional Espejo
HC1IM	4900	61.22	0.25		R. La Voz de Imbabura
HC1AR	4910	61.10	0.2		R. La Voz de Montufar
HC6JX	4920	60.98	0.2		R. Cultural Religiosa, Baños
HC2MD	4920	60.98	0.2		R. La Voz de la Peninsula
HC1RC	4930	60.90	1	1430	R. Casa de la Cultura, W. 11.30–13.00, 17.00–19.00, 00.00–03.15 (Sat. 04.00), Sun. 11.00–13.00
HC5HP	4960	60.48	0.25		R. Ondas Ecuatorianas 02.00–04.00
HC5JE	4980	60.24	0.25		R. Ondas Azuayas
HC1OB	4990	60.12	0.2		R. Ondas Azules, Otavalo
HC2BK	5015	59.82	0.25	1220	R. El Mundo
HC1RP	5015	59.82	0.25	880	R. Catolica, Quito
HC5CB	5015	59.82	0.2		R. La Voz de Asoguez, Asoguez
HC5AL	5025	59.70	0.2		R. Nueva Austral, Cuenca
HC5ET	5045	59.46	0.2	1090	R. Roxi, Riobamba
HC6GT	5195	57.75	0.3	1320	R. Continental
HC1GT	5955	50.58	0.25	1380	R. Ondas Nacionales, Quito
HC1FM	5960	50.34	0.25		R. Equinoccial, Ibarra
HC5GE	5965	50.28	0.25	1480	R. Mundial
HC1JU	5970	50.25	0.2		R. Tulcan, Tulcan
HC3CD	5975	50.21	0.4		Radiodifusora Fatima, Loja
HC6RT	5980	50.16	0.3	1355	R. Paz y Bien
HC6GY	5990	50.08	0.3		R. Luz, 11.00–14.00, 17.30–19.30, 22.00–01.00, 02.00–04.00
HC1DF	6000	50.00	0.2		R. La Voz del Norte Ibarra
HC4EB	6015	49.88	0.25		R. Manta, 16.30–18.00, 23.30–04.00
HC5PT	6029	49.75	0.25		R. La Voz del Perpetuo Socorro,
HCJB	6050	49.59	0.8	700	La Voz de los Andes
HC1AC	6060	49.50	0.25	1280	R. La Voz de la Democracia, 17.00–21.00, 23.00–04.30
HC2FQ	6065	49.46	0.3	1400	R. Continental, 16.45–04.00
HC2AQ	6070	49.42	0.2	1450	Nueva Radio Ortiz
HC6VM	6090	49.26	0.2		R. 11 de Noviembre, Latacunga
HC5JA	6100	49.18	0.25		R. Atenas
HC2FB	6130	48.94	0.25	1140	R. Nacional Condor, 00.00–05.00
HC4LT	6155	48.74	0.3		R. Costa Azul, Portoviejo
HC2PJ	6170	48.62	0.2		R. Fulminense
HC4DY	6190	48.47	0.3		R. Iris, Esmeraldas
HC6EM	6195	48.43	0.25	1550	R. Cosmopolita
HC2RL	6400	46.86	0.2		R. Quinta Piedad, 02.00–04.00 (Wed.)
HC2AU	7350	40.81	0.2		R. Atalaya, Guayaquil
HC2UM	9550	31.41	0.25	1270	R. Universal, Guayaquil
HC3JC	9570	31.35	0.2		R. Fenix
HCJB	9745	30.78	10	700	La Voz de los Andes
HC2AU	11765	25.50	0.2		R. Atalaya
HCJB	11915	25.17	10	700	La Voz de los Andes
HCJB	15115	19.85	10	700	La Voz de los Andes
HCJB	17890	16.77	10	700	La Voz de los Andes

Ecuador

Medium Waves:

Call	kc/s	kW	s.w. or name	Call	kc/s	kW	s.w. or name
HCJB	700	0.8	*)	HC6GB	1310	0.3	4880
HCJB	760	0.5	*)	HC6HQ	1320	0.3	5195
HC1LC	824	0.2	4780	HC6RT	1355	0.3	5980
HC1RP	880	0.2	5015	HC1GT	1380	0.2	5955
HC2AK	1050	1	[1])	HC2FL	1400	0.3	6065
HC5ET	1090	0.2	5045	HC1MJ	1410	0.25	4870
HC2FB	1140	0.25	6130	HC1BX	1430	0.25	4930
HC2BK	1220	0.25	5015	HC2AQ	1450	0.2	6070
HC2UM	1270	0.25	9550	HC5GE	1480	0.25	5965
HC1AB	1280	0.25	6060	HC6EY	1550	0.25	6195

*) 6050/9745/11915/15115/17890 kc/s.
+ 34 low power stations less 1 kW.
[1]) Cia Radiodifusora del Ecuador, Av. Olmedo 110, Guayaquil.

R. NACIONAL ESPEJO – 3325, 4880/1310 – Address: HC1GB: Quito and Otavalo. Leading Personality: Dir. & Owner: Sr. Gerardo Berborich.
R. LA VOZ DEL CAMPESINO – 3510 kc/s. – L. P.: Padre Cuadrado.
R. LA VOZ DE ALAUSI – 3955 kc/s. Address: Juan B. Vela, Alausi. Leading Personality: Dir. & Owner: Sr. Luiz Rodriguez. Soria.
R. ECOS DEL AGRO – 3960 kc/s. – L. P.: J. C. Jalon Faraud.
R. LA VOZ DEL TOMEBAMBA – 4000 kc/s. Address: Apartado 23, Cuenca. Leading Personality: Dir. & Owner: Sr. Humberto Espinoza.
R. HERMIG – 4750 kc/s. Address: Cuenca. Leading Personality: Dir. & Owner: Dr. Victor A. Fernandez.
R. LA VOZ DE BOLIVAR – 4755 kc/s. Address: Guaranda. Leading Personality: Dir. & Owner: Sr. Luis Alarcon R.
R. LA VOZ DE MANABI – 4760 kc/s. Address: Av. Bolivar, Portoviejo. Leading Personality: Dir. & Owner: Sr. César Chavez Canarte.
R.LA VOZ DE CHONE – 4780 kc/s. Address: Chone. Leading Personality: Dir. & Owner: Sr. Odmaro Castro Intriago.
R. ATAHUALPA – 4780/824 kc/s. Address: Sucre 251, Quito. Leading Personality: Dir. & Owner: Sr. Carlos Larrea Cordóba.
R. LA VOZ DE LOS CARAS – 4789 kc/s. Address: Sucre 1922, Bahia. Leading Personality: Dir. & Owner: Sr. Alejandro Nevarez Pinto.
R. LA VOZ DE JIPIJAPA – 4800 kc/s. Address: Jipijapa. Leading Personality: Dir. & Owner: Sr. Honorato Vasquez.
R. CORO SANTA CECILIA – 4810 kc/s. Address: Loja. Owner: Asociacion Juventud Femenina.
R. CENIT – 4815 kc/s.Address: Ensenadita, Manta. Leading Personality: Dir. & Owner: Sr. Washington Delgado Cepeda.
EMISORAS GRAN COLOMBIA – 4870/1410 kc/s.
Address: Casilla 2246, Quito. Cable: "Emigrancolombia".
Leading Personalities: Dir. Gen.: Sr. Eduardo Cevallos C. Dir. of Prgr.: Sr. Favian Vizaino A. Dir. Tec.: Sr. Fausto M. G. Larrea. Dir. of Sports Department: Sr. Carlos Rodrigues Coll. Daily Prgr.: News.: 12.30, 03.45–04.00, National Music: Fr. 01.00–01.30. Religious Prgr.: "La Voz de la Profecia" Mo. 01.00–01.30. Time-Sign.: 15 minutes. Announcement: "Emisoras Gran Columbia – La Voz Deportiva de la Capital, Quito, Ecuador".
R. ONDAS DEL ZAMORA – 4850 kc/s. Address: 24 de Mayo, Loja. Leading Personality: Dir. & Owner: Sr. Carlos N. Valarezo.
R. MIRAMAR – 4870 kc/s. Address: Bahia. Leading Personality: Dir. & Owner: Sr. Washington Delgado Cepeda.
R. LA VOZ DE IMBABURA – 4900 kc/s. Address: Palacio Municipal Apartado 59, Ibarra. Verification by QSL-card.
R. LA VOZ DE MONTUFAR – 4910 kc/s. Address: Centro Obrero Montufar, San Gabriel.
R. LA VOZ DE LA PENINSULA – 4920 kc/s. Address: La Libertad. Leading Personality: Dir. & Owner: Sr. Milton Pinargote P.
R. CULTURAL RELIGIOSA – 4920 kc/s. – L. P.: F. J. del Rosario Peñaherrera.
R. CASA DE LA CULTURA – 4930/1430 kc/s. Address: Avenida 6 Deciembre, Casilla 67, Quito. Leading Personality: Dir. Sr. Jorge I. Guerrero. Verification by QSL-card. Reports are preferred in Spanish. Future Plans: s.w. to be increased to 10 kW.
R. ONDAS ECUATORIANAS – 4960 kc/s. Address: Avenida 5 de Junio, Riobamba. Leading Personality: Dir. & Owner: Sr. Fernándo Puyol.
R. ONDAS AZUAYAS – 4980 kc/s. Address: Bolivar 190, Apartado 4980, Cuenca. Leading Personality: Dir. & Owner: Sr. Alberto Cardoso.
R. ONDAS AZULES – 4990 kc/s. – L. P.: O. E. Beltran Munoz.
R. EL MUNDO – 5015/1220 kc/s. Address: 9 de Octubre, 308, Guayaquil. Leading Personality: Dir. & Owner: Sr. Gabriel Vergara J.
R. LA VOZ DE ASOGUEZ – 5015 kc/s.
R. CATOLICA – 5015/880 kc/s. Address: Maldonado y Rocafuerte, Quito. Leading Personality: Dir. & Owner: Dr. M. Rojas.
R. NUEVA AUSTRAL– 5025 kc/s. – Address: Cuenca. Leading Personality: Dir. & Owner: Sr. D. Pinos.
R. ROXI – 5045/1090 kc/s. – L.P.: Elias Abdo.
R. CONTINENTAL – 5195/1320 kc/s. Address: Meray Bolivar Ambato. Leading Personality: Dir .& Owner: Sr. Gabriel Tramontana.
R. ONDAS NACIONALES – 5955/1380 kc/s. – L.P.: G. Tamayo Mancheno.
R. EQUINOCCIAL – 5960 kc/s. Address: Avenida Mariano Acosta, Ibarra. Leading Personality: Dir. & Owner: Sr. Azael Terán. Announcement: "Aqui Radio Equinoccial, Ibarra, Ecuador, America del Sur" – La emisora mas popular y fuerte en el norte de la pais".
R. MUNDIAL – 5965/1480 kc/s. Address: 10 de Agosto 79, Riobamba. Leading Personality: Dir. & Owner: Sr. Galo Encalada.
R. TULCAN – 5970 kc/s. – L. P.: J. Betancurt.
RADIFUSORA FATIMA – 5975 kc/s L. P.: G. Eguiguren R.
R. PAZ Y BIEN – 5980/1355 kc/s. Address: Ambato. Leading Personality: Sr. Padre Rodriguez.
R. LUZ – 5990 kc/s. Address: Antena del Folklore Ecuatoriano, Calle Quito 418, Apartado Postal 240, Ambato. Leading Personalities: Dir. Gen.: C. A. Soria. Dir. of Progr.: E. Soria E. Daily Progr.: "Balcon Folklorico" 19.00. Ecuadorian Music: 00.00. "Ecos del Ecuador" 23.30. Verification by letter. Return postage requested.
LA VOZ DEL NORTE – 6000 kc/s. – L. P.: F. D. Fernandez.
R. MANTA – 6015 kc/s. Address: Apartado 4869, Manta. Leading Personality: Dir. & Owner: Sr. Emilio Bowen Royero.
LA VOZ DEL PERPETUO SOCORRO – 6029 kc/s. Address: Cuenca. Leading Personality: Dir. & Owner: Sr. Juan C. M. Salazar.
R. 11 de NOVIEMBRE – 6090 kc/s.. Address: Latacunga. Leading Personality: Dir. & Owner Sr. Victor Hugo Munoz.
LA VOZ DE LOS ANDES–6050, 9745, 11915, 15115, 17890/700, 760 kc/s. FM 108 mc/s.
International Missionary Station. Owned and operated by the World Radio Missionary Fellowship Incorporated, Talcottuille, Connecticut. ADDRESS: Casilla 691, Quito. Cable: Vozandes.
LEADING PERSONALITIES: Pres.: C. W. Jones. Vice Pres. and Progr. Dir.: R. Savage. Secretary: A. van der Puy. Treasurer: D. S. Clark.

DAILY PROGRAMMES:
Spanish**. Daily:
10.30–12.30 in 19–49 m.b. 700, 760 kc/s.
12.30–14.00 in 19–25–31–49 m.b. 700, 760 kc/s.
14.00–17.30* in 19–31–49 m.b. 700, 760 kc/s.
17.30–19.30 in 16–19–31–49 m.b. 700, 760 kc/s.
19.30–24.00 in 31–49 m.b. 700, 760 kc/s.
00.00–02.00 in 19–25–31–49 m.b., 700, 760 kc/s.
02.00–04.00 in 49 m.b. 700, 760 kc/s.
06.00–06.30 in 19–25–49 m.b.

*) D. from 12.30 also 31 and 25 m.b. **) D. from 17.30 (Sun. 17.00) also 16 m.b.
x) All programmes carried in Spanish on 700 kc/s, (located in Pifo) are simultaneously carried on 760 kc/s with a new transmitter located in Quito and operating with 500 Watts power. All programmes beamed to N. and S. America exc. 06.00–06.30 to Spain.

English:	Target Area	m.b.
06.30–10.00 exc. Tues.	Pacific	1) 49, 31, 25, 19
11.30–12.30 exc. Mo.	N., S. America	2) 19, 25
21.00–22.30 exc. Mo.	Europe	3) 19, 25
02.00–04.00 exc. Mo.	N. America	4) 31, 25, 19
04.00–05.00 exc. Mo.	N. America	4) 49, 31, 25, 19

1)"Southern Cross Salute". 2) "Morning in the Mountains". 3) "Quito Calling". 4) "Ecuadorean Echoes."

	m.b.
French: To Europe:	
D. 20.00–20.30 exc. Mo.	19, 25
German: To Europe:	
D. 19.30–20.00 exc. Mo.	19, 25
D. 23.00–23.30 exc. Mo.	19, 16
D. 05.00–05.30 exc. Tues.	49, 31, 25, 19
Polish: To Europe:	
19.00–19.30	19, 25
Portuguese: To Brazil:	
D. 10.00–10.30 exc. Tues.	31, 25, 19
D. 23.30–24.00 exc. Sun., Mo.	19, 16
Russian: To Europe:	
D. 11.00–11.30 exc. Mo.	19, 25
16.00–17.00 Sun. only	16
17.00–17.30 Wed., Fri.	16
D. 05.30–06.00 exc. Tues.	49, 31, 25, 19
D. 22.30–23.00 exc. Mo.	16, 19
Quechua: (Tues., Thurs., Sat., Sun):	
16.30–17.00	49, 19, 428
Swedish: To Europe:	
D. 20.30–21.00 exc. Mo.	19, 25
Ukrainian: (Tues., Thurs., Sat.):	
D. 17.00–17.30	16
Yiddish: To Europe:	
D. 10.30–11.00 exc. Tues.	19, 25

ANNOUNCEMENT: "This is the Voice of the Andes, radio station

HCJB, with studios located just fifteen miles south of the line of the equator at Quito, Ecuador in South America".
INTERVAL-SIGNAL: Time Signal each half hour consisting of three short tones followed by a long tone (V=...–) long dash indicating hour or half hour.
VERIFICATION by QSL-card. Return postage is not required.
R. LA VOZ DE LA DEMOCRACIA – 6060/1280 kc/s. Address: Caldas 501, Quito. Leading Personality: Dir. & Owner: Sr. Aziz Nóe Mucarcel.
R. CONTINENTAL – 6065/1400 kc/s. Address: Colon 520, Guayaquil. Leading Personality: Dir. & Owner: Sr. Julio F. Ricaurte. Verification by QSL-card.
NUEVA RADIO ORTIZ – 6070/1450 kc/s. Address: Esmeraldas 1012, Guayaquil. Leading Personality: Dir. & Owner: Sr. Ricardo Ortiz.
R. ATENAS – 6100 kc/s. Address: Cuenca. Leading Personality: Dir. & Owner: Sr. Jaime Andrade y Cordero.
R. NACIONAL CONDOR – 6130/1140 kc/s. Address: Boyacà 1205, Casilla 3345. Guayaquil. Leading Personality: Dir. & Owner: Sr. Randolfo Sierra.
R. COSTA AZUL – 6155 kc/s. Address: Portoviejo. Leading Personality: Dir. & Owner: Sr. José Cavallero.
R. FULMINENSE – 6170 kc/s. Address: Babahoyo. Leading Personality: Dir. & Owner: Sr. Jorge Pazos Salvador.
R. IRIS – 6190 kc/s. Address: Casilla de Correo 142, Avenida Libertad 314, Esmeraldas. Leading Personality: Dir. & Owner: Sr. Daniel Alvarez Tenorio.
R. COSMOPOLITA – 6195/1550 kc/s. Address: Casilla de Correo 261. Calle Bolivar 1807, Ambato. Owner: Federacion de Choferes. Leading Personality: Dir.: L. Enrique Villalobos Vela. Verification by QSL-card.
R. QUINTA PIEDAD – 6400 kc/s. Address: Tomas Martinez No. 307, P.O. Box 759, Guayaquil. Leading Personality: Dir.: Dr. Roberto Levi. Verification by letter. Reports can be written in Spanish or English. Future Plans: Increase of power.
R. ATALAYA – 7350/11765 kc/s. Address: Rumichaca 930, Guayaquil. Leading Personality: Dir. & Owner: Sr. Voltaire Paladines.
R. UNIVERSAL – 9550/1270 kc/s. – L.P.: Cia Industrial Universal.
R. FENIX – 9570 kc/s. Address: Cia. Industrial Financiera, Zaruma

FALKLAND ISLANDS

BROADCASTING SERVICE (Govt.)
The service is designed primarily for the people of the Falkland Islands, but also the Falkland Island Dependencies, many miles to the south, where there are isolated British Bases in Grahamland, the South Shetland and South Orkney Islands and several whaling stations at South Georgia
ADDRESS: The Director of Broadcasting, Stanley. Cable: Broadcasts Falklands.
LEADING PERSONALITIES: Dir. Broadcasting: D. M. Naughton. Broadcasting Secretary: Mrs. Hamilton. Chief of Tecnic: Superintendent Posts and Telegraphs A. Mercer.
HOME SERVICE from Stanley in English:
Mo.- Fri. 22.45–01.00. Sat. 21.30–01.00. Sun. 21.45–00.30.
585 kc/s 513 m 5 kW
N.: Fri. 23.30. – Weatherrep.: D.: 23.15.
ANNOUNCEMENT: "This is Falkland Islands Broadcasting Station at Stanley".
VERIFICATION: Reports from S. America will be welcomed and will be acknowledged by letter. Postage not required.

GUIANA (British)

RADIO DEMERARA (Comm.)
ADDRESS: St. Phillips Green, Georgetown, British Guiana, Cable: "Broadcast".
LEADING PERSONALITIES: Gen. Man.: W. L. Robinson. Sales Man.: U. A. Gouveia. Prgr. Dir.: R. A. Khan. Dir. Tec.: E. R. Mc. Dowell. Chief Announcers: Lillian Fraser, Olga Lopes-Seale, Ed. Fung, Jack Casimir & Ayube Hamid.
HOME SERVICE in English: ZFY
1230 kc/s 243.0 m 0.5 kW 09.45–01.45
3255 – 92.17 – 2 – 19.20–01.45
5981 – 50.16 – 2 – 09 45–19.20
N.: 11.15, 16.10, 00.45. – "Alarm Clock Club": 10.00–11.00. – "Woman's Window": 13.15. – "Birthday Time": 20.15. – "Make-Believe Ballroom": 11.30–12.30. Religious W.: 09.45–10.00. Sun. 12.45. Wed. 23.15.
ANNOUNCEMENT: "This is Radio Demerara, British Guiana".
INTERVAL-SIGNALS vary
VERIFICATION by QSL-card. Return postage not required.
FUTURE PLANS: New studios wil. be opened in March 1955.

GUIANA (French)

RADIO CAYENNE (Govt.)
ADDRESS: Radio Cayenne, Radiodiffusion Francaise. Prefecture de la Guyane, Cayenne.
HOME SERVICE in French:
6199 kc/s 48.39 m 0.35 kW 22.30–23.30. News: 23.15.
ANNOUNCEMENT: "Ici Cayenne, Radiodiffusion Francaise"
INTERVAL-SIGNAL: Opens and closes with "La Marseillaise"
VERIFICATION by QSL-card.

PARAGUAY

All stations commercial exc. "R. Nacional". Language: Spanish.
Stations: Short Waves:

Call	kc/s	m	kW	m.w.		
ZPA1	5955	50.37	3	1360	R. Nacional, 15.00–17.00, 22.30–03.00	
ZPA8	5955	50.37	0.04		R. Ypir, Concepcion	
ZPA4	9735	30.82	1.2	730	R. Stentor	15.00–03.00
ZPA3	11850	25.32	1.2	700	R. Teleco 11.35–18.05,	22.00–02.05
ZPA5	11990	25.02	3.0	920	R. Encarnacion	11.00–23.15

Medium Waves:

Call	kc/s	m	kW	w.		
ZP3	700	429	10	11850	R. Teleco 11.35–18.05,	22.00–02.05
ZP4	730	411	1	9735	R. Stentor,	12.00–03.00
ZP7	900	333	1.5		R. Guarani, Asuncion	
ZP5	920	326	5	11990	R. Encarnacion	11.00–02.00
ZP9	970	309	1½		R. La Capital, Asuncion	
ZP11	1200	250	1		R. Charitas, Asuncion	
ZP10	1300	230.8	1		R. Paraguay, Asuncion	
ZP1	1360	221	0.5	5955	R. Nacional 15.00–17.00,	22.30–03.00

+ 2 low power stations.
R. NACIONAL – 5955/1360 kc/s.
ADDRESS: Coronel Martinez 224, Asuncion.
VERIFICATION by QSL-card or letter.
R. STENTOR – 9735/730 kc/s.
ADDRESS: Palma 285, 2° piso, Asuncion.
LEADING PERSONALITIES: Dir. & Owner: Sr. Manuel Caballero-Ferreira. Gen. Man. & Dir. of Music: Sr. K. W. Levinson. Dir. of Progr.: Prof. Fernando Oca del Valle.
ANNOUNCEMENT: "Aqui las Emisoras de Radio Stentor con sus estaciones ZP4 y ZPA4 transmitiendo desde Asuncion del Paraguay para el pais y las Americas".
INTERVAL-SIGNAL: Hawaii Guitar.
VERIFICATION by letter. No return postage required.
R. TELECO – 11850/700, 1430 kc/s.
ADDRESS: Teleco Paraguaya, S.A. Calle Azara 56, Asuncion.
ANNOUNCEMENT: "ZP3 y ZPA3 Radio Teleco de Asuncion, Republica del Paraguay". – VERIFICATION by QSL-card.
RADIO ENCARNACION – 11990/920 kc/s.
ADDRESS: R. Encarnacion, Encarnacion. – Cable: Madelaire.
LEADING PERSONALITIES: Pres. & Owner: Sr. Carlos Madelaire. Dir. of Broadcasting: Sr. Carlos Madelaire jun. Dir. of Progr.: Sr. Jorge Luis Madelaire.
DAILY PRGR.: in Spanish N.: 12.00, 13.00, 15.30, 20.00, 22.00, 23.00, 23.55, 02.00. – Guarani (a native language): Mo., Wed., Fri.: 11.30. Religious: Sun. 11.30 "La Voz de la Profesia". Sun. 17.00 "La Voz Luterana". Thurs. 23.10. "La Voz Catolica". – Request Prgr.: W. exc. Sat. 20.00–21.00. – Time Signal: Every hour on the hour. – German Music: Sun., Mo., Thurs., Fri. 24.00.
ANNOUNCEMENT: "ZP5 y ZPA5, Radio Encarnacion de a Ciudad de Encarnacion en Paraguay". – FUTURE PLANS: ZP5 8 kW.
VERIFICATION by QSL-card. Reports in Spanish or German.

PERU

All stations priv. commercial exc. R. Nacional and R. Mundial (Govt.)
NATIONAL ASSOCIACION OF BROADCASTING STATIONS IN PERU
ADDRESS: A cargo de "Radio Victoria", Bajos de la Cabana, Paseo de la Republica, Lima.
STATIONS:
Short Waves:

Call	kc/s	m	kW	m.w.		
OAX5J	3350	89.55	0.3	730	R. Independencia, Ica	
OAX4V	5925	50.63	0.5	1010	R. America 13.00–05.00	(Sat. 06.00)
OBX4Q	5970	50.25	10	900	R. El Sol	12.00–05.00
OAX4Q	6020	49.83	1	780	R. Victoria 12.30–05.00	(Sun. 06.00)
OAX6B	6035	49.71	0.15	1400	R. Landa	13.00–05.00
OAX6A	6042	49.65	0.2		R. Arequipa	23.00–04.00
OAX6E	6055	49.55	0.3	1370	R. Continental	12.30–05.00
OAX2A	6057	49.52	0.25	1400	R. Trujillo	23.30–04.30
OAX4Z	6082	49.32	15	a)	R. Nacional	12.00–05.00
OAX4H	6095	49.22	1	1080	R. Mundial 12.30–05.00	(Sat. 06.00)
OAX7A	6128	48.96	1	1170	R. Cuzco 16.00–19.00,	23.00–04.00
OAX1A	6150	48.78	0.25	1520	R. Delcar 16.00–19.00,	23.00–05.00
OBX4G	6153	48.75	0.5	1360	R. Excelsior	12.00–05.00
OAX4G	6190	48.47	0.25	1200	R. Lima	12.00–05.00
OAX1B	6198	48.41	0.3		R. Piura	12.00–04.30
OAV4P	6200	48.39	0.25		R. Huancayo 17.00-18.30,	02.00-04.30
OAX4S	6216	48.22	0.3	1030	R. San Cristobal	11.15–05.00
OBX4P	6330	47.30	0.3	1250	R. Miraflores	13.00–05.00

OAX4W	9360	32.05	0.5	1010	R. America	13.00–05.00 (Sun. 06.00)
OAX6H	9500	31.58	0.1		R. Tacna	23.00–04.00
OAX4J	9520	31.51	0.25	1320	R. La Cronica	
OAX6G	9530	30.43	0.3	1250	R. Nacional	
OAX4K	9545	31.43	0.3	930	R. Central	12.30–05.00
OAX4R	9562	31.37	10	854/ 1120	R. Nacional	12.00–05.00
OAX5C	9590	31.28	0.2	1460	R. Univers.	16.30–19.00, 22.30–05.00
OAX8C	9610	31.22	0.3	1030	R. Nacional	
OBX4R	11914	25.18	50	a)	R. Nacional	
OAX4T	15150	19.80	10	a)	R. Nacional	
OBX4C	15180	19.76	1	900	R. El Sol	12.00–05.00
OBX4T	21600	13.90	50	a)	R. Nacional	

Medium Waves:

Call	kc/s	kW	s.w.	Call	kc/s	kW	s.w.
OAX5E	730	1	3350	OAX4B	1200	0.25	6190
OAX4X	780	2	6020	OAX4L	1250	0.25	6330
OAX4A	854	10	*)	OAX4I	1320	0.25	9520
OBX4X	900	10	**)	OAX6Y	1360	0.5	6153
OAX4E	930	0.2	9545	OAX6C	1370	0.25	6055
OAX4U	1010	10	5925/9360	OAX2B	1400	0.25	6057
OAX4O	1030	5	6216	OAX6J	1400	0.3	6035
OAX8A	1030	1	9610	OAX5B	1460	0.2	9590
OAX4F	1080	0.25	6095	OAX7G	1470	0.15	6128
OBX4A	1120	20	*)	OAX1C	1520	0.15	6150

+ 13 low power stations less than 1 kW.
*) 6082/9562/11914/15150/21600. **) 5970/15180. a) 854, 1120 kc/s.
F.M.: 90.1 mc/s 0.65 kW El Sol.

R. AMERICA – 5925/9360/1010 kc/s.
ADDRESS: Cia. Peruana de Radiodifusion S.A. Ocoña No. 476, Lima

R. EL SOL – 5970, 15180/900 kc/s/FM: 90.1 mc/s.
ADDRESS: Cia. de Producciones Radiales y Television Radio El Sol, Lima. Cable: Radiosol, Casilla 1711. –
LEADING PERSONALITIES: Pres.: Santiago Acuna. Dir. Gen.: L. M. Quesada, Ing. A. Pereyra. Asst. Dir.: E. Ponce. Dir. Press. Dep.: M. Carao. Dir. Tec.: A. Pereyra.
D. Progr.: National Music: D. 11.15–12.00. Tues., Thurs.: 15.15–15.45. (Quechua and Spanish).

R. VICTORIA – 6020/780 kc/s.
ADDRESS: Empresa Radiodifusora Victoria S.A., Bajos de "La Cabana", Paseo Republica, Lima.

R. NACIONAL–6082/9562/11914/15150/21600/854/1120 kc/s. 9530/1250 kc/s; 9610/1030 kc/s.
ADDRESS (for all stations): Avenida P. Thouars No. 441, Lima. (9610/1030 located at Iquitos, 6082/9562/11914/15150/21600/854/1120 located at Lima, 9530/1250 located at Tacna).
DAILY PROGR.: English: 18.15, 04.00. – ANNOUNCEMENTS in Spanish, French and English. – ANNOUNCEMENT: Spanish: "Radio Nacional del Peru, la primera emisora del pais". – VERIFICATION by QSL-card.

R. LANDA – 6035/1400 kc/s. – Address: Calle Sucre No. 409, Arequipa. VERIFICATION by QSL-card.
LEADING PERSONALITY: Owner: Sr. Maximo J. Landa.

R. AREQUIPA – 6042 kc/s.
ADDRESS: S.A. de Radiodifusion, Palacio Viejo No. 106, Arequipa.

R. CONTINENTAL – 6055/1370 kc/s.
ADDRESS: 3er Piso, Teatro Municipal, Arequipa.
LEADING PERSONALITY: Owner: Sr. J. Antonio Umbert F.
ANNOUNCEMENT: "OAX6C y OAX6E, Emisoras de Radio Continental desde Arequipa".

R. TRUJILLO – 6057/1400 kc/s.
ADDRESS: Diego de Almagro No. 349, Trujillo.
LEADING PERSONALITY: Owner: Sr. Juan Dongo Montoya.
VERIFICATION by QSL-card.

R. MUNDIAL–6095/1080 kc/s. ADDR.: Jiron Union No. 733, Lima.

R. CUZCO – 6128/1170 kc/s. – ADDR.: Sapphi No. 114, Cuzco.
LEADING PERSONALITIES: Dir. and Owner: Sr. Carlos Lizarraga Fischer. Dir. Adm.: Doris Rosenthal Pacheeho.
Interval-Signal: Bells of the cathedral. – Verification by QSL-card.

R. DELCAR – 6150/1520 kc/s. – ADDR.: Saenz Peña No. 392, Chiclayo. LEADING PERSONALITY: Owner: Sr. J. Carlos Montjoy D.

R. EXCELSIOR – 6153/1360 kc/s. – ADDR.: Jiron Camana No. 975, Lima.

R. LIMA – 6190/1200 kc/s.
ADDRESS: Av. Nicolás de Piérola No. 462, Altos, Lima.

R. PIURA – 6198 kc/s. – ADDR.: Tacna No. 871, Piura.
LEADING PERSONALITY: Owner: Sr. J. Carlos Montjoy D.

R. HUANCAYO – 6200 kc/s: ADDRESS: Av. Giraldez No. 368, Huancayo. LEADING PERSONALITY; Owner. Sr. Alfredo, Elejalde G. VERIFICATION by QSL-card.

R. SAN CRISTOBAL – 6216/1030 kc/s.
ADDRESS: Jiron Tarapacá N. 897, Lima.
LEADING PERSONALITY: Owner: Sr. Juan Dongo Montoya.
ANNOUNCEMENT: Spanish: Estas son las Emisoras de Radio San Cristobal, desde Lima, Peru". English: "This is the San Cristobal Radio in Lima, Peru".
INTERVAL-SIGNAL: The first bars of "My Concerto" by Camarata.
VERIFICATION by QSL-card.

R. MIRAFLORES – 6330/1250 kc/s. – ADDR.: Av. Larco No. 760, Miraflores. LEADING PERSONALITY: Dir. Sr. R. Palma.

R. TACNA – 9500 kc/s. – ADDR.: Aniceto Ibarra No. 436, Tacna.
VERIFICATION by letter. Reports requested.

R. LA CRONICA – 9520/1320 kc/s.
ADDRESS: Empresa Edit. La Crónica y Variedades, Avda. Tacna No. 655, Lima.

R. CENTRAL – 9545/930 kc/s.
ADDRESS: Jirón Unión No. 1038, Lima.
LEADING PERSONALITY: Owner: Sr. Juan P. Goicochea.
ANNOUNCEMENT: "Radio Central, la emisora mas popular".

R. UNIVERSAL – 9590/1460 kc/s.
ADDRESS: Loreto No. 124/128, Ica.
LEADING PERSONALITY: Owner: Sr. Raul Claux Budge.

SURINAM (Dutch Guiana)

AVROS – ALGEMEENE VEREENIGING RADIO OMROEP (Comm.)
ADDRESS: Avros – Paramaribo, Suriname, Cultuurtuinlaan, P.O. Box 720.
LEADING PERSONALITIES: Chairman of the Board: E. R. Wessels. Vice Chairman of the Board: A. L. R. Smit. Secretary: H. F. van Zuylen. Adm.: Mrs. A. Macmay-Ligtermoet. Dir. Gen.: W. H. Lionarons. Dir. Adm.: Mrs. L. Bruyne-Mers. Dir. Tec.: E. Emanuels.
HOME SERVICE:
PZH5 4750 kc/s 63.16 m 0.35 kW – PZC 15405 kc/s 19.48 m 1 kW
Dutch: On 4750 kc/s from 09.30–11.30, 13.00–16.30. On 1540 kc/s from 19.30–01.30.
N.: 09.50, 15.15, 23.15, 01.25. – Folk Music: Creole Tues.: 23.30–01.15. Hindostani: Fri. 23.30–01.30. Javanese: Thurs. 01.00–01.30. – Religious: Sun. 15.00–15.30, 22.30–23.30. – Time Signals: Every hour by gong C-G.
English, Spanish: 15405 kc/s: 01.30–02.00. – English: Sun. 12.30–13.00.
ANNOUNCEMENT: Home Service: Dutch: "U luistert naar Radio Suriname, de Avros". – English: "This is the AVROS-broadcasting-station in Paramaribo, capital of Suriname one of your neighbours in South America.
FOREIGN SERVICE in Dutch, English & Spanish
On 15405 kc/s 21.30–01.30 to Caribbean.
ANNOUNCEMENT: Spanish: "Esta es Radio Surinam, la AVROS, in Paramaribo, capital de Surinam, uno de sus vecinos in la America del Sur".
VERIFICATION by letter. Return postage not required.
FUTURE PLANS: New station 5 kW 1956.

URUGUAY

ASOCIACION NACIONAL DE BROADCASTERS URUGUAYOS (Andebu)
Uruguay 1218, Montevideo: Pres.: Mr. Solino. Secretary: Mr. H. F. Artucio.
All stations commercial exc. SODRE, CXA8, CXA14 and CX26.
STATIONS:
Short Waves:

Call	kc/s	m	kW	m.w.	
CXA2	6000	50.00	5	1170	R. de Montevideo 10.00–03.00
CXA30	6035	49.71	1	1130	R. Nacional 15.00–03.00
CXA14	6055	49.55	5		Servicio de Informacion y Prensa 13.00–16.00
CXA3	6075	49.38	2.5	730	R. Ariel 10.00–03.00
CXA4	6125	48.98	10	650/1290	SODRE 12.00–14.30, 00.15–03.00
CXA13	6155	48.74	10	850	R. Carve 14.00–18.00, 22.00–03.00
CXA21	6170	48.62	1	1330	R. Fenix 14.00–16.00, 21.00–01.00
CXA6	9620	31.19	20	650	SODRE 12.00–14.30, 00.15–03.00
CXA8	9640	31.12	3		R. Real de San Carlos 15.00–17.00, 20.00–01.00
CXA7	11735	25.56	5	770	R. Oriental 11.00–15.00, 20.00–02.00
CXA19	11835	25.35	5	810	El Espectador 10.55–03.00
CXA10	11900	25.21	20	650/1290	SODRE 12.00–14.30, 00.15–03.00

Medium Waves:

Call	kc/s	m	kW	s.w.	
CW1	550	546	4.5		R. Colonia 11.00–05.00(Sat. 09.00)
CX4	610	492	5		R. Rural 09.58–03.00
CX6	650	462	25	*)	SODRE 12.00–03.00
CX8	690	435	5		R. Sarandi 10.55–03.00
CX10	730	411	5	6075	R. Ariel 10.00–03.00(Fri. 04.00, Sat., Sun. 05.00)
CX12	770	390	25	11735	R. Oriental 11.00(Sun. 12.00)–02.00(Sat. 03.00)

CX14	810	370	15	11835	El Espectador 10.55–03.00
CX16	850	355	50	6155	R. Carve 10.30–03.00
CX18	890	337	10/5		R. Libertad Sport 11.00–03.00
CX20	930	323	5		R. Montecarlo 10.00–03.00
CX22	970	309	1		R. Universal 10.00–03.00(Sat. 05.00)
CX24	1010	297	2.5		La Voz del Aire 11.45–03.00
CX26	1050	286	5		SODRE 12.00–03.00
CX28	1090	275	5		R. Imparcial 10.00–05.00(Sat. 10.00)
CW31	1120	268	2		R. Salto 11.00–02.00
CX30	1130	266	5	6035	R. Nacional 10.00–03.00
CX32	1170	256	5	6000	R. de Montevideo 10.00–03.00
CX34	1210	248	2.5		R. Artigas 12.30–02.30
CW35	1240	241	2		R. Paysandu
CX36	1250	240	1		Brodc. Centenario
CX38	1290	233	1	*)	SODRE 12.00–03.00
CX40	1330	226	0.5	6170	R. Fenix 10.00–05.00(Sat. 06.00)
CX42	1370	219	1		R. del Pueblo 12.45(Sun. 11.30)–02.30
CW46A	1400	214	2		Difusora Zorilla de San Martin 10.30–01.30
CX44	1410	213	5		R. Solis 11.00–03.00(Sat. 05.00)
CX46	1450	207	1.5		R. America 11.00–03.00

*) 6125/9620/11900 kc/s; + 16 low power stations.

RADIO DE MONTEVIDEO – 6000/1170 kc/s.

ADDRESS: Compania Uruguaya de Publicidad S.A. Yi 1383, Montevideo. – LEADING PERSONALITY: Dir. Gen. Sr. O. L. Massa.

DAILY PROGR.: N.: 10.00, 11.55, 13.55, 14.45, 15.55, 16.55, 18.55, 19.55, 20.55, 21.55, 22.55, 23.55, 00.55. – Armenian Hour: Sun. 12.00. – Hungarian Hour: Sun. 12.30.

ANNOUNCEMENT: "Sras y Sres tengan Uds. muy buenos dias. CX32, de Montevido, Uruguay y su emisora en ondas cortas CXA2".

RADIO NACIONAL – 6035/1130 kc/s.

ADDRESS: O.R.O. S.A. Plaza Independencia 846, 1er piso (Palacio Salvo), Montevideo. – LEADING PERSONALITY: Sr. Miquel Svirsky. VERIFICATION by QSL-card.

SERVICIO DE INFORMACION Y PRENSA – 6055 kc/s.

ADDRESS: Ministerio de Ganaderia y Agricultura, Av. 25 de Mayo 385, Montevideo. – VERIFICATION by letter.

RADIO ARIEL – 6075/730 kc/s.

ADDRESS: Av. 18 de Julio 1460, Montevideo. – LEADING PERSONALITY: Dir. Adm.: Sr. Juan U. Pierri. – DAILY PROGR.: N.: 10.03, 10.30, 13.00, 14.15, 15.00, 16.00, 22.00, 23.00. – ANNOUNCEMENT: "Difusoras Ariel, por entermedio de sus ondas CX10 en 730 kc/s y CXA3 en la banda de 49 m". – VERIFICATION by QSL-card.

SERVICIO OFICIAL DE DIFUSION RADIO ELECTRICA (SODRE) – 6125, 9620, 11900, 650, 1050, 1290 kc/s.

ADDRESS: Mercedes 823, Montevideo. Cable: "Sodre".

DAILY PROGR.: At 00.15–03.00 two progr. are broadcast: 1st progr. on 650, 6125 & 11900 kc/s, 2nd progr. on 1050 & 9620 kc/s. N.: 13.00, 15.00, 20.00, 24.00.

ANNOUNCEMENT: "Servicio Oficial de Difusion Radio Electrica-Montevideo con sur emisoras CX6, CX38, CXA4, CXA6, CXA10.

INTERVAL-SIGNAL: First movement of "Campo". VERIFICATION: QSL-card.

RADIO CARVE – 6155/850 kc/s. – **LA VOZ DEL AIRE** 1010 kc/s

ADDRESS: SADREP Ltda., Mercedes 973 Montevideo. Cable: "SADREP".LEADING PERSONALITY: Sr. Raul Fontaina.

ANNOUNCEMENT: "SADREP. Por intermedio de CX16 Radio Carve de Montevideo, inicia su transmision del dia en una onda de 353 m 850 kc/s des de sus estudios en Mercedes 973 Montevideo".

VERIFICATION by QSL-card.

RADIO FENIX – 6170/1330 kc/s.

ADDRESS: Rio Branco 1366, Montevideo. LEADING PERSONALITY: Sr. Julio J. Rabassa. VERIFICATION by QSL-card.

RADIO REAL DE SAN CARLOS – 9640 kc/s

ADDRESS: Servicio de Transmisiones, Gral. Flores 30, Colonia.

RADIO ORIENTAL – 11735/770 kc/s.

ADDRESS: Olimar 1364, Montevideo. LEADING PERSONALITY: Dir.: Sr. Luis A. Artola. VERIFICATION by letter.

RADIO EL ESPECTADOR – 11835/810 kc/s. –

RADIO LIBERTAD SPORT – 890 kc/s.

ADDRESS: Difusoras del Uruguay S.A., 18 de Julio 1393, Montevideo. Cable: Difuruguay. LEADING PERSONALITY: Dir. Sr. Victor Soliño.

DAILY PROGR.: N.: Spanish: Every hour on the hour from 11.00–03.00. – Italian: 16.15–16.30 Thurs., Sun. – French: 16.30–16.50 Sat. – Polish: 22.15–22.45 Sun. – English: 23.10–23.30. – ANNOUNCEMENT: in Spanish, Portuguese, French, English. – VERIFICATION: QSL-card.

SERVICIO DE TRANSMISIONES – 15225, 15385, 17715, 17895, 25855 kc/s.

ADDRESS: Sarandi 472, Montevideo.. Cable: "Gentel". – VERIFICATION: By letter.

VENEZUELA

All stations commercial exc. "R. Nacional" (Govt.) and "La Voz de la Fe" (Religious). Language: Spanish.

Stations: Short Waves:

Call	kc/s	m	kW	m.w.		
YVRA	2360	127.1	1	1420	R.Monagas, Maturin:	10.30-04.00
YVLG	2440	122.9	1	660	R. Girardet, Maracay	10.30–03.30
YVMU	2470	121.5	1		R. Carora	10.30–03.00
YVMK	2480	121.0	2.5	1180	R. Cabimas, Cabimas 14.30–16.30,	09.30–11.30 20.30–03.00
YVKT	3245	92.51	1	880	R. Libertador	10.30–03.00
YVQL	3255	92.17	0.85	1010	La Voz de El Tigre, El Tigre	10.00–02.30
YVOC	3265	91.87	1	780	Ecos del Torbes	11.30–02.30
YVMC	3275	91.60	0.7	1150	R. Mara, Maracaibo	10.30–13.30 15.30–03.30
YVLE	3285	91.35	1	1290	R. Puerto Cabello	11.30–02.30
YVOG	3295	91.10	1		R. Trujillo, Trujillo	22.00–02.30
YVKX	3305	90.77	2	710	La Voz de la Patria	
YVLI	3315		1.2	930	R. Maracay, Maracay	11.00–03.00
YVQG	3325	90.22	0.25	1390	R. Carupano	11.00–03.00
YVQN	3335	89.95	7.5	1040	Ondas Porteñas	
YVKP	3345	88.68	2.7	1160	R. Tropical, Caracas	10.30–03.30
YVLD	3355	89.41	1	850	R. Valencia, Valencia	10.30–04.30
YVMI	3375	89.20	0.5	1400	La Voz de la Fé Maracaibo 16.30–17.30,	22.30–02.30
YVQI	3385		1	1080	Emisoras Unidas	11.30–03.30
YVOJ	3395	88.37	1.5	1450	R. Universidad 10.30–12.30, 15.30–18.30,	22.30–03.30
YVKV	4760	63.03	0.25	1050	Emis. Vargas, L. Guaira	10.30–04.30
YVMW	4770	62.89	1		Ondas del Caribe	11.00–18.30, 20.30–03.30
YVLA	4780	62.76	1	690	Voz de Carabobo	11.30–03.00
YVQC	4790	62.63	1	1400	Ecos del Orinoco	22.30–02.30
YVME	4800	62.50	7.5	1120	Ondas del Lago	10.30–03.30
YVMG	4810	62.37	1	1250	R. Popular	10.30–03.30
YVNB	4820	62.24	1	1130	Ondas d. l. Medanos, Coro	11.30–02.30
YVOA	4830	62.11	5	980	Voz del Tachira	10.30–03.00
YVOI	4840	61.98	1.5		R. Valera 15.45–17.30,	21.30–02.30
YVMS	4850	61.86	3		R. Universo 15.30–18.30,	21.30–02.30
YVPA	4860	61.73	1		R. Yaracay, S. Felipe	10.30–04.30
YVKF	4880	61.48	12	950	Ondas Populares	10.30–03.30
YVKB	4890	61.35	10	790	Radiodifusora Venezuela	10.30–04.30
YVQE	4900	61.22	1	720	R. Bolivar	15.30–02.30
YVKR	4920	60.99	10	750	R. Caracas	10.30–04.30
YVMO	4940	60.73	2	1285	R. Occidental, Barquisim.	11.30–03.30
YVMM	4950	60.60	1	1210	R. Coro	10.57–03.00
YVQA	4960	60.48	1	1120	R. Sucre, Cumana	11.30–03.00
YVLK	4970	60.36	7.5	1030	R. Rumbos 10.30–03.30	(Sat. 06.30)
YVMQ	4990	60.12	15	1490	R. Barquisimeto	10.30–03.30
YVKL	5030	59.67	7.5	590	R. Continente, Caracas	10.30–03.50
YVMA	5040	59.55	0.5	1300	Ecos del Zulia 15.30–18.30,	10.30–13.30, 20.30–03.30
YVKD	5050	59.41	5	1100	R. Cultura	10.30–04.30
YVKO	6170	48.62	5	630	R. Nacional 15.25–19.30,	21.25–03.30
YVXJ	9510	31.55	5	1490	R. Barquisimeto	10.30–03.30
YVMZ	9530	31.48	0.35/1		10.30–14.30. This frequency is used by "Ondas del Lago", "Ecos del Zulia" & "Radio Popular" until 14.30 and during special evening-transmissions.	
YVSC	9640	31.12	5	630	R. Nacional 15.25–19.30,	21.25–03.30

Medium Waves:

Call	kc/s	m	s.w.	Call	kc/s	m	s.w.
YVKL	590	508	5030	YVOD	780	384	3265
YVKA	630	477	6170	YVKC	790	379	4890
YVLH	660	455	2440	YVLD	850	353	3355
YVLB	690	433	4780	YVKU	880	341	3245
YVKY	710	422	3305	YVLJ	930	323	3315
YVQF	720	417	4900	YVKG	950	316	4880
YVKS	750	400	4920	YVOB	980	306	4830

Venezuela

Call	kc/s	m	s.w.	Call	kc/s	m	s.w.
YVQM	1010	297	3255	YVMN	1210	248	4950
YVLL	1030	292	4970	YVMH	1250	240	4810
YVQO	1040	289	3335	YVMP	1285	233	4940
YVQJ	1080	278	3385	YVLF	1290	233	3285
YVKE	1100	273	5050	YVMB	1300	230	5040
YVMF	1120	267*	[1])	YVQH	1390	216	3325
YVQB	1120	267	4960	YVMJ	1400	214	3375
YVNA	1130	261	4820	YVQD	1400	214	4790
YVMD	1150	261	3275	YVRB	1420	211	2360
YVKQ	1160	258	3345	YVOL	1450	207	3395
YVML	1180	254	2480	YVMR	1490	202	4990

FM: 5 stations. [1]) 4800, 9530 kc/s. * 10 kW.

R. MONAGAS – 2360/1420 kc/ – ADDRESS: Apartado 14, Maturin. – VERIFICATION by letter.

R. CARORA – 2470 kc/s. – ADDRESS: Carora. – VERIFICATION by QSL-card.

R. CABIMAS – 2480/1180 kc/s. – ADDRESS: Calle Democracia, Cabimas. – VERIFICATION by letter.

R. LIBERTADOR – 3245/880 kc/s. – ADD.: Provensa Propagandistas Venezoelanos, Caracas. – News: 23.30–24.00. Italian 00.00–00.15, Portuguese 00.15–00.30. – VERIFICATION by letter.

ECOS DEL TORBES – 3265/780 kc/s. – ADDRESS: Edo. Tachira Calle 9–55, Apt. 152, San Cristobal.

R. PUERTO CABELLO – 3285/1290 kc/s. – ADDRESS: Apartado 4, Puerto Cabello. – Cable: "Radiobello". – LEADING PERSONALITIES: Adm.: Sr. Ali Caccavale. Dir.: Sr. Santiago Guevara Villalba. Dir. Tec.: Sr. Alejo Zuloaga La Hoz. Dir. Press Dept. J. Antonio Colina. D. Prgr.: 11.30, 12.30, 15.30, 22.25. – National Music: 13.10, 19.45, 20.30, 24.00. – Weatherrep.: 15.35. – VERIFICATION by QSL-card.

R. TRUJILLO – 3295 kc/s. – ADDRESS: Calle Independencia 200, Trujillo.

LA VOZ DE LA PATRIA – 3305/710 kc/s. – ADDRESS: Caracas. – VERIFICATION by QSL-letter.

R. CARUPANO – 3325/1390 kc/s. – ADDRESS: Apartado 58, Barcelona.

ONDAS PORTENAS – 3335/1040 kc/s. – ADDRESS: Apartado 482, Puerto la Cruz.

EMISORAS UNIDAS – 3385/1080 kc/s. – ADDRESS: Apartado 27, Barcelona.

R. UNIVERSIDAD – 3395/1450 kc/s. – Address: Apartado 74, Merida.

ONDAS DEL CARIBE – 4770 kc/s. – ADDRESS: Punto Fijo. – LEADING PERSONALITY: Dir.: Sr. Roger Leyba.

LA VOZ DE CARABOBO – 4780/690 kc/s. – ADDRESS: Valencia. – VERIFICATION by QSL-letter.

ECOS DEL ORINOCO – 4790/1400 kc/s. – ADDRESS: Circuito Radiofonico del Sur, C. Bolivar.

ONDAS DEL LAGO – 4800, 9530/1120 kc/s. – ADDRESS: Apartado 261, Calle 99, No. 12–44, Maracaibo. – Cable: "Lagonda". – LEADING PERSONALITIES: Owners: Srs. Nicolas Vale Quin ero and Henrique Ascanio Buroz. Dir. Gen.: Sr. Henrique Ascanio Buroz. Dir. of Prgr.: Sr. Lui Guillermo Sanchez. Secretary: Sr. German Montero. Chief of Press Dept.: Sr. Hugo José Machado. – D. Prgr.: National Music: D. 10.30–11.30, 20.00–20.30, 01.30–02.00. Time Signal: 16.30. – N.: 12.00, 16.00–16.30, 17.00, 23.30, 02.30. – English and Italian: Sun. 16.00–17.00, 00.05–01.00. – VERIFICATION by QSL-card. Return postage not required. – FUTURE PLANS: Short Waves: 50 kW. – Under construction: new studios for Broadcast and T.V.

R. POPULAR – 4810/1250 kc/s. – ADDR.: P. O. Box 247, Maracaibo.

LA VOZ DEL TACHIRA – 4830/980 kc/s. – ADDRESS: Apartado 37, S. Cristobal. Cable: "Voztachira". – LEADING PERSONALITY: Dir. & Qwner: Sr. Jesus M. Diaz Gonzalez. – VERIFICATION by letter.

Adv.
ONDAS DEL LAGO is 10 years ahead of the venezuelan radio transmission thanks to its uptodate and powerful sender as also its wonderful antenna in the very lake of Maracaibo. ONDAS DEL LAGO which is always leading in every radio transmission, occupies its own modern radio- and television centre in the most suitable and desirable location in the new area of the citycovering 4000 sq. meters and out of which the 2400 sq. meters are edificed and equipped with the most uptodate technical exigencies. ONDAS DEL LAGO covers the entire territory of the nation and the message of the advertisers reaches the most distant as also the most important markets of Venezuela.

R. VALERA – 4840 kc/s. – ADDRESS: Calle Bolivar 54, Valera.

R. UNIVERSO – 4850 kc/s. – ADDRESS: Apt. 77, Barquisimeto. – ANNOUNCEMENT: "YVMS, YVMT, R. Universo, Barquisimeto, Venezuela, America del Sur". – VERIFICATION by letter.

ONDAS POPULARES – 4880/950 kc/s/FM 92.0 mc/s. – ADDRESS: Edificio Coraven Barcenas á Rio, Caracas, Apt. de Correos 587, Caracas. Cable: "Popolondas". – LEADING PERSONALITIES: Dir.: Sr. Felix Cardona Moreno. Adm.: Sr. Guillermo Tucker. Dir.: Tec.: Sr. Ricardo Girardi. – NEWS: 11.50. – Weather 16.27. – ANNOUNCEMENT: "Con su trasmisor FM en 92.00 mc/s des de Caracas Venezuela cuna del libertador trasmite Ondas Populares YVKG 950 kc/s YVKF 4880 kc/s". – VERIFICATION by QSL-card or letter. Return postage not required.

RADIODIFUSORA VENEZUELA – 4890/790 kc/s. – ADDRESS: "Provensa", Caracas. – NEWS: 10.30, 15.00, 22.30, 02.00. – ENGLISH: W.: 11.30–12.00. – VERIFICATION by QSL-card.

R. BOLIVAR – 4900/720 kc/s. – ADDRESS: Circuito Radiofonico del Sur, C. Bolivar.

R. CARACAS – 4920/750 kc/s. – ADDRESS: Barcenas á Rio, Edificio R. Centro, Apartado 2057, Caracas. – Cable: "Coraven". – LEADING PERSONALITIES: Dir.: Sr. Amable Espina. Adm.: Sr. Guillermo Tucker. Dir. Tec.: Sr. José Marcano Coello. Dir. Prgr.: Sr. A. Ferrara. N.: 12.00, 17.00, 23.30. National Music: Mo., Fri.: 19.30. 20.00. – VERIFICATION by QSL-card or letter, postage not required,

R. CORO – 4950/1210 kc/s. – ADDRESS: Coro, Falcon. – L. P.: Owner and Dir.: Roger Leyba. – VERIFICATION by letter.

R. RUMBOS – 4970/1030 kc/s. – ADDRESS: Apartado 514, Caracas. – ENGLISH: Mo., Fri. 23.00–24.00 (for Americans in Venezuela). News in English: 23.45.

R. BARQUISIMETO – 4990, 9510/1490 kc/s. – ADDRESS: Apartado 76, Barquisimeto. – VERIFICATION by letter.

R. CONTINENTE C. A. (Comm.) – 5030/590 kc/s.

ADDRESS: Bolsa a Padre Sierra 22, altos, Apt. Correos 866, Caracas. Cable: Continente.
LEADING PERSONALITIES: Pr.: Caleb W. White Jr. Dir. Gen.: Juan Francisco Rodriquez. Dir. Tec.: Robert H. Axtell.
DAILY PROGRAMMES: 10.30–03.50.
News: D. 10.30–11.00, 11.30–11.45 and 15 news-bulletins during the day and the night. – Request Progr.: D. 13.30, 16.00. – Progr. Preview: D. 11.30, 16.30, 22.30. – Time-Sign.: D. 10.30, 13.30, 16.30. – National Music: D. 12.30–12.45, 18.00–18.15, 21.00–21.30; Thurs. 12.00–12.30; Sat. Sun. 11.30–12.00, 00.00–00.30, Tues. 00.00–00.30. – Sport: Horserace Sat., Sun. from 22.30. – Baseball: National championship, "Grandes Ligas" and "Habana Cuban Sugar". – VERIFICATION by QSL-card. Return postage not required.

ECOS DEL ZULIA – 5040/1300 kc/s. – ADDRESS: La decana de las emisoras de Occidente, Maracaibo.

R. CULTURA – 5050/1100 kc/s – ADDRESS: La Emisora de los Exitos, Caracas. – ITALIAN: W. 01.30–02.30. – VERIFICATION by QSL-card.

R. NACIONAL – 6170/630 kc/s. – ADDRESS: Radiodifusora Nacional de Venezuela, Caracas. – News: 16.45, 21.30, 23.30. – English: Mo. 23.30–24.00 (summary of the weeks Venezuelan news), Fri. 01.00. French: Fri. 03.15 ("La semaine a Venezuela"). – VERIFICATION by QSL-card.

STANDARD FREQUENCY STATIONS

RADIO STATIONS WWV AND WWVH (Govt.)

ADDRESS: National Bureau of Standards, Boulder Laboratories Boulder, Colorado, USA.
LEADING PERSONALITY: W. D. George, Chief, High Frequency Standard Section.
STATIONS:
WWV: 2500 kc 120 m 0.7 – 5000 kc 60 m 8 kW – 10000 kc 30 m 9 kW. – 15000 kc 20 m 9 kW – 20000 kc 15 m 1 kW – 25000 kc 12 m 0.1 kW.
WWVH: 5000 kc 60 m 2 kW – 10000 kc 30 m 2 kW – 15000 kc 20 m 2 kW.
WWV and WWVH broadcast continuously night and day standard radio frequencies, standard audio frequencies, standard time intervals, time-signals and radio propagation disturbance warnings. WWVH is interrupted 4 minutes after each hour and half hour and 34 minutes beginning at 19.00 UT each day.
ANNOUNCEMENT: "National Bureau of Standards, WWV, when the tone returns Eastern Standard time is ... AM or ... PM".
AUDIO FREQUENCIES: 600 c/s and 440 c/s in sequence.
VERIFICATION: Listeners reports answered by QSL-card or letter or both as requested. Return postage notrequired.

NATIONAL PHYSICAL LABORATORY (Govt.
ADDRESS: Teddington Middlesex, Gt. Britain.
MSF STANDARD FREQUENCY SERVICE:

60 kc/s	5000 m	10 kW	14.29–15.30/	
2500 –	120 –	0.5 –	continuous	*)
5000 –	60 –	0.5 –	–	*)
10000 –	30 –	0.5 –	–	*)

*) exc. for break in transmission from 15–20 minutes past each hour.
ANNOUNCEMENT: Call sign three times in slow Morse. "This is MSF, Rugby, England, transmitting carrier and modulation frequencies within 2 parts in 108 of nominal on 2500, 5000 and 10000 kc/s. VERIFICATION. Useful reports requested, answered by letter. Return postage not required.

INTERNATIONAL TIME SIGNAL
The international time signals of the Royal Greenwich Observatory are radiated as follows: 10.00: 16–9350–17685 kc/s 18.00: 16–12790–7397 kc/s.

TIME SIGNALS FROM DOMINION OBSERVATORY, CANADA
ADDRESS: Dominion Observatory, Ottawa, Ontario.
LEADING PERSONALITY: J. P. Henderson.
STATIONS: CHU 3330 kc/s. 90.09 m 0.3 kW – 7335 kc/s. 40.90 m 3 kW – 14670 kc/s 20.45 m 0.3 kW. Voice time announcements every minute. Eastern standard time. Code every hour. "CHU Canada CHU". VERIFICATION: Reports answered. Return postage not required.

RED DE EMISORAS DEL MOVIMIENTO

DIRECTION: PUERTA DEL SOL 11 – MADRID – ESPANA

EFE 1 La Voz de Valladolid
Angustios 1. – Valladolid.
EFE 4 Radio Palencia
Becerro de Bengoa. Palencia
EFE 5 La Voz de Leon
Ordouo II 28, Leon
EFE 6 Radio Caceres
Ronda del Carmen 4, Caceres.
EFE 7 Radio Denia
Marques del Campo 23, Denia (Alicante).
EFE 8 La Voz de Alicante
Angel Lozano 14, Alicante.
EFE 9 Radio Villafranca del Panades
Rambla de Nuestra Seuora 6. Villafranca del Panadés. (Barcelona).
EFE 10 Radio Alava
Calvo Sotelo 34. Vitoria.
EFE 11 Radio Utiel.
Alamos 4. Utiel (Valencia).
EFE 12 Radio Monovar. (Alicante).
EFE 13 Radio Saeunto.
Padin Arnaiz 7. Sagunto (Valencia).
EFE 14 La Voz de Madrid.
Emisora Central. Fernandez de los Rios 2. Madrid.
EFE 15 Radio Ferrol.
General Franco 138. Ferrol (La Coruna)
EFE 16 Radio Puigcerda.
Plaza Mayor 19. Puigcerda (Gerona).
EFE 17 La Voz de Levante.
Pascual y Genis 27. Valencia.
EFE 18 Radio Iativa.
Moncada 14. Jativa (Valencia).
EFE 22 Radio Oviedo.
Asturias 9. Oviedo.
EFE 24 Radio Orihuela.
Romón y Cajal 34. Orihuela (Alic.).
EFE 25 Radio Cantabria.
Pasaje del Arcillero 2. Santander.
EFE 26 Radio Luarca.
Luarca (Asturias).
EFE 33 Radio Tarragona.
Rambla del Generalisimo 77. Carragona.
EFE 39 Radio Berga.
San Pedro 9. Berga (Barcelona).
EFE 40 La Voz de la Costabrana.
Ave Maria 3. Palamós (Gerona).
EFE 41 Radio Olot.
Plaza del Carmen Olot (Gerona).
EFE 42 Radio Sveca.
Plaza de los Reyes Católicos 9 Sueca (Valencia).
EFE 43 Radio Requena.
Villajoyoso 3. Reqquolia (Valencia)
EFE 44 Radio Picasent.
Santa Ana 11. Picasent (Valencia).
EFE 46 Radio Guadasvar.
Santa Lucia 11.
Guadasnar (Valencia).
EFE 47 Radio Cullera.
Doctor Alemany 6 Cullera (Val.).
EFE 48 Radio Carlet.
Maestro Martinca 1. Carlet (Valenc.)
EFE 49 Radio Chelva.
Plaza del Caudillo 7. Chelva. (Val.).
EFE 50 Radio Hospitalet.
Barcelona 124 Hospitalet de Llobregat (Barcelona).
EFE 51 Radio Mora de Ebro.
Valle 9. Mora de Ebro. (Corragoua).
EFE 52 Radio Vendrell.
Vendrell (Carragoua).
EFE 53 Radio Roda de ter Bach.
Bach 43. Roda de Cer (Barcelona).
EFE 54 Radio Cardona.
Plaza del Generalisimo 5.
Cardona (Barcelona).
EFE 55 Radio Ausona.
Calle Manllen. Vich (Barcelona).
EFE 56 Radio Blanes.
Mercaderes 4. Blanes (Gerona).
EFE 59 Radio Manises.
Manises (Valencia).
EFE 60 Radio Velez Rubio.
Velez Rubio (Almeria).
EFE 61 Radio Adra.
Adra (Almeria).
EFE 62 Radio Beria.
Berja (Almeria).

For full information see page 66.

SHORT WAVE MAGAZINE

One of the world's leading Amateur Radio publications-covering transmission, reception, operating results, competitive working, design and construction. Regular features include »DX Commentary« and »VHF Bands«, outstanding in their fields.

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WORLD TELEVISION

The principal television systems:
Definition refers to the broadcast standard which is normally stated in terms of the number of lines which make up the image. Reference in the following surveys is made throughout merely to 405 lines, 525 lines, 625 lines (CCIR*), 625 lines (Sovjet**) and 819 lines respectively.
Details of these five definitions are given in the following table:

	Systems			
Number of lines per picture	405	525	625*)	819
Video bandwidth (Mc/s)	3	4	5	10.4
Channel width (Mc/s)	5	6	7	14
Sound carrier relative to vision carrier (Mc/s)	—3.5	+4.5	+5.5	—11.15
Sound carrier relative to edge of channel (Mc/s)	0.25	—0.25	—0.25	+0.10
Interlace	2/1	2/1	2/1	2/1
Line frequency (c/s)	10,125	15,750	15,625	20.475
Field frequency (c/s)	50	60	50	50
Picture frequency (c/s)	25	30	25	25
Sense of vision modulation	Positive	Negative	Negative	Positive
Level of black as percentage of peak carrier	30	75	75	25
Sound modulation	AM	FM	FM	AM

*) The International Radio Consultative Committee.
**) The characteristics are the same as 625 lines CCIR exc. for a difference in bandwidth: video bandwidth 6 Mc/s, channel width 8 Mc/s, sound carrier relative to vision carrier +6.5 Mc/s.

THE SPREAD OF TELEVISION

1) Number of TV stations. – 2) Estimated number of TV receivers. – 3) Definition. –

	1)	2)	3)
AFRICA			
Azores	1*		525
Eritrea	1*		525
Morocco	2**	4.000	819
Tripoli	1*		525
** inactive * AFRTS.			
AMERICA, N.			
Alaska	1		525
Canada	31	1.100.000	525
USA	413	35.000.000	525
AMERICA, C.			
Cuba	7	150.000	525
Dominican R.	1	5.500	525
Guatemala	1	10.000	525
Mexico	6	100.000	525
Panama	1*		525
(Canal Zone)			
Puerto Rico	3*	80.000	525
AMERICA, S.			
Argentina	1	60.000	625
Brazil	5	125.000	525
Colombia	3	40.000	525
Venezuela	3	80.000	625
N.EAST, EAST, PACIFIC.			
Iraq	1		625
Hawaii	4		525
Japan	6	82.724	625
Okinawa	1*		525
Philippines	1	1.661	525
Saudi Arabia	1*		525
Thailand	1		625
Turkey	1	2.000	625
* AFRTS.			
EUROPE			
Austria	5	3.000	625
Belgium	4	50.000	815 /625
Czechoslov.	1		625
Denmark	2	6.000	625
Eire	0	2.000	625
France	8	226.840	815
Germany			
Fed. R.	26	176.683	625
Dem. R.	7		625
Gt. Britain	14	4.883.584	405
Holland	2	30.000	625
Hungary	1		625
Italy	11	157.505	625
Luxembourg	1	1.318	819
Monaco	2		819
Norway	1	25	625
Portugal	1*		625
Saar	1	12.000	625
Spain	1		625
Sweden	3	8.000	625
Switzerland	6	7.669	625
USSR	6	800.000	625
Yugoslavia	1		625
* AFRTS.			

TELEVISION CHANNELS

A: American system:
Sound: Frequency mod.
Vision: Negative mod.
Number of lines: 525
Frame frequency: 30 Mc/s.
Channel width: 6 Mc/s.

Channel No.	Vision carrier Mc/s	Sound carrier Mc/s
A-2	55.25	59.75
A-3	61.25	65.75
A-4	67.25	71.75
A-5	77.25	81.75
A-6	83.25	87.75
A-7	175.25	177.75
A-8	181.25	185.75
A-9	187.25	191.75
A-10	193.25	197.75
A-11	199.25	203.75
A-12	205.25	209.75
A-13	211.25	215.75
A-14	471.25	475.75
A-15	477.25	481.75
A-16	483.25	487.75
A-17	489.25	493.75
A-18	495.25	499.75
A-19	501.25	505.75
A-20	507.25	511.75
A-21	513.25	517.75
A-22	519.25	523.75
A-23	525.25	529.75
A-24	531.25	535.75
A-25	537.25	541.75
A-26	543.25	547.75
A-27	549.25	553.75
A-28	555.25	559.75
A-29	561.25	565.75
A-30	567.25	571.75
A-31	573.25	577.75
A-32	579.25	583.75
A-33	585.25	589.71
A-34	591.25	595.75
A-35	577.25	601.75
A-36	603.25	607.75
A-37	609.25	613.75
A-38	615.25	619.75
A-39	621.25	625.75
A-40	627.25	631.75
A-41	633.25	637.75
A-42	639.25	643.75
A-43	645.25	649.75
A-44	651.25	655.75
A-45	657.25	661.75
A-46	663.25	667.75
A-47	669.25	673.75
A-48	675.25	679.75
A-49	681.25	685.75
A-50	687.25	691.75
A-51	693.25	697.75
A-52	699.25	703.75
A-53	705.25	709.75
A-54	711.25	715.75
A-55	717.25	721.75
A-56	723.25	727.75
A-57	729.25	733.75
A-53	735.25	739.75
A-59	741.25	745.75
A-60	747.25	751.75
A-61	753.25	757.75
A-62	759.25	763.75
A-63	765.25	769.75
A-64	771.25	775.75
A-65	777.25	781.75
A-66	783.25	787.75
A-67	789.25	793.75
A-68	775.25	799.75
A-69	801.25	805.75
A-70	807.25	811.75
A-71	813.25	817.75
A-72	819.25	823.75
A-73	825.25	829.75
A-74	831.25	835.75
A-75	837.25	841.75
A-76	843.25	847.75
A-77	849.25	853.75
A-78	855.25	859.75
A-79	861.25	865.75
A-80	867.25	871.75
A-81	873.25	877.75
A-82	879.25	883.75
A-83	885.25	889.75

B: British standards:
Sound: Amplitude mod.
Vision: Positive mod.
Number of lines: 405.
Frame frequency: 25 c/s.
Ch. width: 5 Mc (Ch. 1 7 Mc).

B-1	45.00	41.50
B-2	51.75	48.25
B-3	56.75	53.25
B-4	61.75	58.25
B-5	66.75	63.25
B-6	179.75	176.25
B-7	184.75	181.25
B-8	189.75	186.25
B-9	194.75	191.25
B-10	197.75	196.25
B-11	204.75	201.25
B-12	209.75	206.25
B-13	214.75	211.25

E: European system:
Sound: Frequency mod.
Vision: Negative mod.
Number of lines: 625.
Frame frequency: 25 c/s.
Channel width: 7 Mc/s
(ch. 1 only 6 Mc/s).

E-1	41.25	46.75
E-1A	42.25	46.75
E-2	48.25	53.75
E-2A	49.75	55.75
E-3	55.25	60.75
E-4	62.25	67.75
E-4A	82.25	87.75
E-5	175.25	180.75
E-6	182.25	187.25
E-7	189.25	194.75
E-7A	192.25	197.75
E-8	196.25	201.75
E-8A	201.25	206.75
E-9	203.25	208.75
E-10	210.25	215.75
E-11	217.25	222.75

F: French standards:
Sound: Amplitude mod.
Vision: Positive mod.
N. of lines: 819 (ch. Fl: 441)
Frame frequency: 25 c/s.
Channel width: 13, 15 Mc/s
(ch. 1: 7,6 Mc, ch. 8: 14 Mc).

F-1	46.00	42.00
F-2	52.40	41.25
F-3	56.15	67.75
F-4	65.55	54.40
F-5	164.00	175.15
F-6	173.40	162.25
F-7	177.15	188.30
F-8	185.25	174.10
F-8A	186.55	175.40
F-9	190.30	201.45
F-10	199.70	188.55
F-11	203.45	214.60
F-12	212.85	201.70

J: Japanese system:
Sound: frequency mod.
Vision: Negative mod.
Number of lines: 525.
Frame frequency: 30 c/s.
Channel width: 6 Mc/s

J-1	91.25	95.75
J-2	97.25	101.75
J-3	103.25	107.75
J-4	171.25	175.75
J-5	177.25	181.75
J-6	183.25	187.75

R: Russian system:
Sound: Frequency mod.
Vision: Frequency mod.
Number of lines: 625.
Frame frequency: 25 c/s.
Channel width: 8 Mc/s.

R-I	41.75	48.25
R-II	49.75	56.25
R-III	59.25	65.75
R-IV	77.25	83.75
R-1	145.25	151.75
R-2	153.25	159.75
R-3	161.25	167.75
R-4	169.25	175.75
R-5	177.25	183.75
R-6	185.25	191.75
R-7	193.25	199.75
R-8	201.25	207.75
R-9	209.25	215.75

The following pages give you the data of the different TV stations of the world. The channel is indicated by a letter followed by a figure. The letter indicates the technical data of the systems which are in use (A: America, B: British etc.) and the figure is the channel number. The powers for vision and sound are indicated by a fraction, the numerator indicating the number of kW (ERP) for vision and the denminator for sound, for example 6/1.5 means vision. 6 kW ERP and sound 1.5 kW ERP...

Recommend the World Radio Handbook to your friends and connections.

EUROPE

AUSTRIA

ÖSTERREICHISCHER RUNDFUNK (Govt.) – ADDRESS:

Singrienergasse 21, Wien. – LEADING PERSONALITIES: Planning-Group: G. Freund. Production: F. Gregora. Technic: Dr. J. Lothaller. Adm.: St. Markus.

Stations[2])	ch.	kW	Stations	ch.	kW
Wien-Kahlenberg	ERII	1/0.2[2])	Graz Schöckl	E7	4/0.8[1])
Wien-Kahlenberg	E5	5/1[1])	Salzburg-Gaisberg	E8	2/0.4[1])
Linz-Freinberg	E6	0.3/0.05			

[1]) 60/20 kW July 1956 2) experimental.

Daily Prgr.: Mo., Wed.: 16.00–17.00, 19.30–20.00. Sat. 19.30–20.00.

Projected Stations: 60/20 kW 1957: Bregenz ch. 5 – Innsbruck ch. 4 – Klagenfurt I ch. 3 – Klagenfurt II ch. 10.

BELGIUM

INSTITUT NATIONAL BELGE DE TELEVISION (Govt.)

ADDRESS: 31, rue Dautzenberg, Bruxelles – LEADING PERSONALITIES: Dir. French T.V.: Ph. Kammans. Dir. Flemish T.V.: B. V. Leysen.

FRENCH PRGR. Def. 819			FLEMISH PRGR. Def. 625		
Stations	ch.	kw	Stations	ch.	kw
Liége (Bol d'Air)	3	6/1.5[3])	Antwerp	2	6/1.5[2]
Liége	3	100/25[1])	Tielt	2	100/25[1])
Braine-le-Comte	8	100/25[1])	Bruxelles	10	2/0.5[3])
Bruxelles	8	2/0.5	Mechelen	10	100/25[1])
Neufchateau	11	25/6[1])			

[1]) Autumn 1956. [2]) Serves also as a relay point for the transmission of programmes between Bruxelles and Breda in Holland. [3]) Serves also as a relay point for the transmission of programmes between Bruxelles and Rötgen (Germany).

Daily Prgr.: French 19.00–22.00 (exc. Fri.). Sun., Mo, Tues, Wed. also 17.00–18.00 and Thurs. 16.00–17.30.

Daily Prgr.: Flemish 18.30–21.00 (exc. Mo.). Sun. also 13.30–15.00 Wed., Fri., Sat. 16.00–17.00.

DENMARK

STATE BROADCAST (Govt.)

ADDRESS: Television Dept., Danish State Radio, Radiohuset, Rosenornsallé, Copenhagen – LEADING PERSONALITY: Dir. Prgr.: J. Fr. Lawaetz.

Stations	ch.	kW	Stations	ch.	kW
Copenhagen	4	10/3	Naestved	6	60/20[2])
Fyn	3	10/3	Skive	10	60/20[2])
Aalborg	5	10/3[2])	Sønderjylland	7	60/20[3])
Aarhus	8	10/3[1])			

[1]) approx. April 1956. [2]) 1958. [3]) approx. April 1957.

Daily Progr.: 19.00–20.00. **Childrens Hour:** Mo.–Tues. 14.30–15.00. Thurs., Fri. 16.00–16.30.

CZECHOSLOVAKIA

CESKOSLOVENSKY ROZHLAS (Govt.)

Address: Central Television Studio, 12 Stalinova, Praha XII – **Station:** ch. R2 – **D. Prgr.:** Tues., Fri., Sun.: 19.00–21.00. Thurs.: 17.00–20.00.

FRANCE

RADIODIFFUSION-TELEVISION FRANCAISE (Govt.)

ADDRESS: Relation Internationales de la Télévision, 107, rue de Grenelle, Paris 7e. – LEADING PERSONALITIES: Dir. Gen.: Wladimir Porche. Dir. Prgr.: M. d'Arcy. Dir. Foreign Relations: Michel Robida.

Stations	ch.	kW	Stations	ch.	kW
Paris I	F1	20/5*	Marseille	F9	50/12[2])
Paris II	F8	100/25[1])	Metz	F6	0.1/0.02[2])[3])
Lille	F8	200/50[2])	Nancy Ville	F7	0.1/0.02[2])
Lyon Ville	F5	0.1/0.02[2])	Strasbourg	F5	20/5[2])

* Definition 441; other stations def. 819. [1]) horizontal polarisation. [2]) vertical polarisation. [3]) temporary.

Daily Prgr. from Paris: approx. 11.45–23.00.

Radio relay links between: Paris–Lille, Paris–Strasbourg, Paris–Lyon–Marseille, Metz–Luxembourg, Dabo–Hornisgrinde (Germany), Lille–Cassel–Dover.

PROJECTED STATIONS 1956:

Lyon Mont Pilat	F13	200/50[1])	Bourges	F9	200/50[1])
Caen	F2	50/12[2])	Cannes-Nice	F6	10/2.5[1])
Rouen	F10	50/12[2])	Metz-Nancy	F6	50/12[1])
Le Havre	F5	1/0.25[2])	Mulhouse	F8	200/50[1])
Cherbourg	F12	5/1.25[2])	Reims	F5	0.1/0.02[1])
			Toulon	F11	10/2.5[1])

[1]) end 1955. [2]) 1956 relay transmitter of the "Group Normandie".

GERMANY

GERMAN FEDERAL REPUBLIC

Television has been developed by the various radio organizations (Rundfunkanstalten) and particularly the Nordwestdeutscher Rundfunk. – A common prgr. is being broadcast throughout Germany under the title "Deutsches Fernsehen". Each of the organizations participates in the production of this prgr. In addition a number of regional broadcasts are transmitted by each of the broadcasting organizations.

Relay Facilities for the German television network are constructed by the German postal authorities:

1) Hamburg–Köln with intermediary transmitters at Hannover and Langenberg, a link which uses eight relay towers.

2) a special pick-up at Hamburg for broadcasts to and from Berlin and their relay to and from Hamburg.

3) Continuation of the Hamburg–Köln link to Frankfurt, Stuttgart, Munich and Baden-Baden.

Community television prgr. daily approx.: W. 15.30–16.30, 18.00–18.30, 19.00–21.30. Sun. 11.00–11.30, 13.00–15.00, 19.00–21.45. Testtransmissions approx.: 09.00–10.00, 16.30–18.00.

ADDRESS: Fernseh Kommission der Arbeitsgemeinschaft der Westdeutschen Rundfunkanstalten, Hessischer Rundfunk, Frankfurt a/M.

NORDWESTDEUTSCHER RUNDFUNK

At the beginning of 1956 Nordwestdeutscher Rundfunk (NWDR) will be replaced by two organizations: Westdeutscher Rundfunk, Köln, Wallrafplatz 5, and Norddeutscher Rundfunk, Rothenbaumchaussee 132/134.

ADDRESS: Gazellenkamp 57, Hamburg-Lokstedt. – LEADING PERSONALITIES: Intendant: Dr. Werner Pleister. Dir. Prgr.: Heinz von Plato. Chief Editor: Werner Krüger. Dir. Plays: Hanns Farenburg. Dir. Adm.: Hans-Joachim Hessling. Dir. Tec.: Dr. Walter Schwarz. Chief of Press and Information: Klaus Mahlo.

Stations	ch.	kW	Stations	ch.	kW
Bonn[1])	E5	0.24/0.05	Kiel	E11	5/1
Hamburg	E9	92/18	Köln	E11	5/1
Hannover	E8	4/1	Langenberg	E9	92/18
Torfhaus[1])	E10	1/0.20	Teutoburger Wald	E11	100/18

[1]) d. towards Bonn and Godesberg. Frequency changer.

Projected Stations 1956: Flensburg ch. E4, 50/10 kW. d. in the direction Flensburg–Copenhagen. Bremen–Oldenburg E2 100/20.

BAYERISCHER RUNDFUNK (Anstalt des öffentlichen Rechts)

ADDRESS: Rundfunkplatz, München.

LEADING PERSONALITIES: See Germany.

Stations: Wendelstein: ch. 10. 100/20.5 kW. – **Projected Stations: 1956** Würzburg ch. E10 frequency changer (at the end of 1955), Kreuzberg ch. E3 100/20 kW; Dillberg E6 100/20 kW (spring 1956), Grünten E2 100/20 kW (autumn 1956).

Testtransmissions: 09.00–10.00, Mo.–Fri. 13.30–15.00.

RADIO BREMEN (Anstalt des öffentlichen Rechts).

ADDRESS: Heinrich Hertzstrasse 13. Cable: "Radio". – LEADING PERSONALITY: Vorbereitend: R. Dumont du Voitel.

Station: Bremen ch. E3, 0.1/0.04 kW. Relay Hamburg.

HESSISCHER RUNDFUNK (Anstalt des öffentlichen Rechts)

ADDRESS: Bertramstrasse 8, Frankfurt a/M. – LEADING PERSONALITIES: Dir. Prgr.: Dr. H. J. Lange – Dir. Tec.: Dipl. Ing. Kurt Thöm.

Stations: Feldberg ch. E8, 100/20 kW. – Meissner ch. E7, 100/20 kW. – Biedenkopf ch. 5, 0.75/0.15 kW frequency changer. – **Testtransmissions approx.:** W. 13.00–18.45. – **Regional transmissions:** Sat. 18.00–18.30 (from Rhein, Main and Neckar); Mo.: 18.00–18.30 (Der Sport in Südwesten").

SENDER FREIES BERLIN

ADDRESS: Fernsehen, Reichskanzlerplatz, Berlin-Charlottenburg 9.

LEADING PERSONALITIES: Leiter der Abtlg. Fernsehen: Heinz Rieck. Stellvertretender Leiter: Waldemar Bublitz. Dramaturg: Heinz Grothe. Chef-Kameramann: Wilhelm Buhler.

Station: ch. 7, 1/0.25 kW **Testtransmissions:** approx. W. 14.30–15.15, 16.30–17.30.

SÜDDEUTSCHER RUNDFUNK (Anstalt des öffentlichen Rechts)

ADDRESS: Abt. Fernsehen, Neckarstrasse 145, Stuttgart. **Cable:** "Rundfunk". LEADING PERSONALITIES: Fernsehbeauftragter: Dr. Helmuth Jedele. Technischer Leiter: Dr. Rolf Eberhardt.

Stations: Stuttgart ch. E11, 100/20 kW – Aalen ch. E8, 0.4/0.1 kW. – **Projected Stations 1956:** (low power): Pforzheim, Heilbronn, Gurlingen, Heidelberg.

SÜDWESTFUNK

ADDRESS: Abt. Fernsehen, Hans Bredowstr., Baden-Baden. **Cable:** SWF-Fernsehen.

LEADING PERSONALITIES: Abteilungsleiter: K. Hinzmann. Künstl. Leiter: Dr. K. P. Biltz. Chefdramaturg: Dr. Laurenze. Regisseure: Dr. K. P. Biltz, P. A. Horn, P. Beauvais. Chefingenieur Studiotechnik und Film: F. M. Zaekel.

Stations	ch.	kW	Stations	ch.	kW
Baden-Baden	7	0.04/0.008*)[1])	Raichberg	4	10/2
Freiburg	7	0.04/0.008[1])	Trier	6	0.04/0.008*)[1])
Hornisgrinde	9	2/0.3[1])	Weinbiet	10	1/0.2[1])
Kaiserslautern	7	0.005/0.001*)[1])	Zweibrücken	7	0.005/0.001*)[1])
Koblenz	6	3/0.6	Feldberg	8	10/2

*) frequency-changer. [1]) directional aerial.

Testtransmissions: W.: 09.00–10.00, 13.00–14.30, 16.30–17.00.

GERMAN DEMOCRATIC REPUBLIC

STAATLICHES RUNDFUNK-KOMITEE (Govt.)

ADDRESS: Staatliches Rundfunkkomitee, Fernsehzentrum, Berlin, Berlin-Adlershof, Rudower Chaussee 116. – **Cable:** "Fernsehen Berlin".

LEADING PERSONALITIES: Dir.: Heinz Adameck. Dir. Tec.: Werner Hoffmann. –
Stations: W.: 19.00–21.00. Sun.: 14.00–15.00, 19.00–21.00.
Berlin-Stadtmitte R III Leipzig R III Brocken R 9
Berlin-Grünau R I Dresden R 1 Inselsberg R 6
Karl-Marx-Stadt R 8 **Projected Station:** Marlow (Mecklenburg).

GREAT BRITAIN

BRITISH BROADCASTING CORPORATION (Govt.)

The BBC operates under a Royal Charter and under licence and agreement with Her Majesty's Postmaster General.
ADDRESS: The British Broadcasting Corporation, London.
LEADING PERSONALITIES: Dir. Gen. T.V.: Sir Ian Jacob, K.B.E., C. B. Dir. T.V.: Sir George Barnes – Dir. Tec.: Sir Harold Bishop, C.B.E.

Stations	ch	kW	Stations	ch	kW
Alexandra Palace	B1	34/6[1])	Rowridge	B3	32/7.5 d.[1])
Divis	B1	12/3[2])	Sutton Coldfield	B4	100/25[1])
Holme Moss	B2	100/25[1])	Channel Islands	B4	1/0.25[2])
TruleighHill(temp.)	B2	low power	Meldrum	B4	12/3[2])
North Hessary Tor (temp.)[1])	B2	0.5/0.12 d.	Wenvoe	B5	100/25[1])
			Douglas	B5	0.25/[1])
Kirk o'Shotts	B3	100/25[1])	Pontop Pike	B5	1/0.3[2])
Norwich (temp.)	B3	1.3/0.25 d[2])	(temp.)		

[1]) vertical aerial [2]) horizontal aerial.

Proj. Stations	ch	kW	Proj. Stations	ch	kW
Crystal Palace[1])	B1	200/50	Blaen Plwy [3]) (W. Wales)	B3	1/0.25
Dover area[2])	B2	1/0.25 d	Norwich[2]) (permanent)	B3	10/2.5 d
Londonderry area[2]) (N. Ireland)	B2	1/0.25	Carlisle area[2])	B4	1/0.25
North Hessary Tor[3])(permanent)	B2	16/4 d.	Isle of Man[3])	B5	1/0.25
Rosemarkie[2]) (N. E. Scotland)	B2	1/0.25	Pontop Pike[4]) (permanent)	B5	10/2

[1]) to replace Alexandra Palace during 1956 [2]) 1956 [3]) to replace Douglas 1957 [4]) late 1955.
Daily Prgr.: All stations: Trade Test transmissions Mo.-Sat. 11.00–13.00. – Progr. Hours.: W. 15.00 (Sat. 14.30)–18.00, 19.00–22.45 or 23.00 Sun.: 14.00–18.00, 19.30–22.45 or 23.00.

INDEPENDENT TELEVISION (I.T.A.) (Comm.)

Independent Television Authority (An authority established by the Television Act, 1954, to: 1) select independent contractors to provide programmes and enter into contracts with them, 2) plan, provide and operate the transmitters, 3) supervise, in accordance with the Television Act, the programmes provided by the contractors and 4) provide, or arrange for the provision of programmes in exceptional circumstances.
Address: 14 Princes Gate, London, S.W.7.
Programme Contractors: Associated-Rediffusion Ltd., Adastral House. Kingsway, London. – Associated Broadc. Co. Ltd., Television House, Kingsway, London W.C. 2. – **Leading Personalities:** Chairman: Sir Kenneth Clark – Dir. Gen.: Sir Robert Fraser O.B.E. – Chief-Engineer P.A.T. Bevan, B.Sc. M.I.R.E.
Stations: Croydon*) (for London area) ch B9 60/15 kW.
*) temporary; the permanent Croydon st. is due to come into operation about the spring of 1957 with approx. 200 kW (ERP).
Operating Schedule: Associated Rediffusion: W.: 10.45–12.30, 17.00–18.00, 19.00–23.00. – Associated Broadc. Co.: Sat. 15.00–18.00, 19.00–23.00. Sun.: 14.00–22.45 (exc. 18.15–19.30).
Projected Stations: Lichfield (Birmingham)* ch. B8 100/25 kW – Bolton**) ch. B9 100/25 kW.
*) Opening February or March 1956. **) Opening in early spring 1956.

HOLLAND

NEDERLANDSE TELEVISIE STICHTING (Foundation).

Address: Nederlandse Televisie Stichting (N.T.S.), Bussom, Postbox 80. Cable: Televisie. – **Leading Personalities: Executive Board Netherland Television Foundation:** Chairman: Prof. Kors.-Secretary: Mr. Rengelink. - Treasurer: Jhr. Roëll. - Vice-Chairman: Mr. Van de Veen. – Member: Mr. Ligthart. – Dir. Tec.: Ir. C. J. Mol. – Dir. Prgr.: Mr. A. van den Dool.

Stations:	ch.	kW	Stations:	ch.	kW
Lopik (Near Utrecht	E4	20/5	Goes[1])	E7	10/2
Eindhoven	E4/5	5/5	Markelo[1])	E7	30/6
Appelga-Smilde[1])	E6	50,10	Roermond[1])	E5	50/10

[1]) 1956
Daily Progr.: Tues., Thurs., Sat.: 19.15–21.15; Wed. :16.00–16.30 Childrens Prgr. each fortnight on Wed.: 19.15–20.45 Film.

HUNGARY

HUNGARIAN RADIO TELEVISION DEPT.: Brody Sandor u. 5–7, Budapest. Station ch. RII.

ITALY

RADIOTELEVISIONE ITALIANA (State Service granted by public act to R.A.I.).

Address: Direzione Centrale T.V., via del Babuino 9, Roma. – **Leading Personalities:** Dir. Prgr. T.V.: Dr. Sergio Pugliese. Dep. Dir. Prgr. T.V.: Dr. Aldo Passante. Dir. Tec. T.V.: Ing. Sergio Bertolotti. Dep. Dirs. Tec. T.V.: Ing. L.: Sponzilli; Ing. Gino Orsini.

Stations:	ch.	kW	Stations:	ch.	kW
M. Caccia[1])	E5	1/0.25	M. Scuro[1])	E5	0.25/0.125
M. Cammarata[1])	E8A	1/0.25	M. Serra	E5	121/40
M. Conero[1])	E8A	025./0.125	M. Soro[1])	E10	0.25/0.125
Messina[1])	E8A	0.25/0.125	M. Venda	E5	165/82
M. Favone[1])	E10	0.05/0.025	M. Vergine[1])	E8A	0.25/0.125
Milano	E8A	24/12	Orimini[1])	E8A	7.5/4
M. Lauro[1])	E5	7.5/4	Paganella - Trento	E8A	0.005/0.002
M. Limbara[1])	E10	0.25/0.125	Portifino	E10	127/64
M. Peglia	E10	15/4	Roma	E8A	108/36
M. Sambuco[1])	E10	0.25/0.125	S. Cerbone	E8A	0.5/0.25
			Trieste	E8A	0.27/0.13
M. Argentario[1])	E4A	5/3	Pomarico[1])	E4	0.05/0.025
M. Faito (Napoli)[1])	E4	34/17	Badde Urbara	E4A	0.2/1
Gambarie[1])	E4A	5/3			
M. Luco[1])	E4	0.05/0.025	Roseto Capo Spulico[1])	E4A	0.05/0.025
M. Nerone[1])	E4	5/3	Torino	E4A	0.2/1
M. Pellegrino[1])	E4	0.5/0.25			
Monte Penice	E4	100/50			

[1]) 1956
Daily Prgr.: 16.30–17.30, 19.30–22.00. Sun. 09.15–11.00, 15.00–18.00 19.30–22.00.

LUXEMBOURG

RADIO LUXEMBOURG (Pr. Comm.)

Address: Compagnie Luxembourgeoise de Radiodiffusion, Villa Louvigny, Luxembourg. – **Leading Personalities:** Pres.: E. Reuter – Dir. Gen.: R. L. Peulvey – Asst. Dir. Gen.: M. Felten – Dir. Prgr.: A. Dubois la Chartre – Asst. Dir. Prgr.: P. Wismer – Dir. Music: H. Pensis.
Station: Luxembourg ch. E7, 3/0.75 kW. Definition 819. – **Daily Prgr.:** Mo.-Fri.: 16.25 (Thurs. 15.30) – approx. 18.00 (Tues. 17.17). Sat. 16.25–18.00, 19.00–22.00. Sun. 15.30–18.12, 19.00–21.19.

MONACO

RADIO MONTE CARLO (Comm.)

Address: Télé-Monte-Carlo 2 avenue Saint-Michel, Monte Carlo.
Station: Monte Carlo ch. F10 50/12.5 kW – ch. F2 50/12.5 kW. exp.

NORWAY

NORSK RIKSKRINGKASTING. (Govt).

Address and L. P.: see Norway.
Station: Oslo Ch. 4 1.3/0.6 Exp. transmissions will last until approx. Jan. 1956. The future plans will then be discussed by the Parliament.

POLAND Experimental television Warsaw ch. R.I.

PORTUGAL

EMISSORA NACIONAL DE RADIODIFUSAO (Govt.)

The National transmitter has been carrying out tests for the past two years with a view to the introduction of a television service in Portugal. These tests have been investigated by a commission, which has recommended that the Government should introduce television into Portugal as soon as possible. – The first step will be to serve the most thickly populated districts in Lisboa, Oporto and Coimbra, which possess about half the inhabitants in the country. – Operation will be partly commercial. – Lisboa is to be the main prgr. station. – All stations will transmit the same prgr. – An international link (Lisboa-Madrid) with Eurovision is under construction. –
Projected Stations:
Lisboa ch. E7 250/120 kW – Porto E5 120/60 kW – Centro vision 44 mc/s, sound 49.5 mc/s 90/45 kW evt. ch.–band III.

SAAR

SAARLÄNDISCHES FERNSEHEN A.G. (Comm.)

Address: Uhlandstr. 5 Saarbrücken. – **Leading Personalities: Stations:** Saarbrücken: Ch. 2 3/1 kW – ch. F7 0.8/0.3 kW.

SPAIN

R. NACIONAL DE ESPANA (Govt.)

Address: Radio Nacional de Espana. Television Experimental, Castallana num. 42, Madrid. – **Leading Personalities:** Dir. Progr. and Transmissions: Sr. José Ramón Alonso. Dir. Tec.: Sr. Joaquin S. Cordovés. Chief of Progr.: Sr. José Luis Colina. – **Stations:** T.V.R.N.E. Ch E3 video 2 kW. – sound 0.1 kW. – **Daily Progr.:** Tues., Thurs., Sat. 20.00–22.00.

SWEDEN

Address: The Board of Telecommunications, Stockholm 16. **Cable:** Gentel. – A.B. Radiotjänst, Kungsgatan 8, Stockholm.
– **Leading Personalities:** Dir. Gen.: Olof Rydbeck. Co-ordinator: Henrik Hahr.
Stations: Stockholm Ch. E4 1/0.3 kW–ch. E5 25/5 - Gothenburg ch. E9 15/0.3 kW. Daily Prgr.: Tues., Thurs., Fri.: approx. 18.30–Sat. 15.00 and 18.30. Sun.: Occasionally reportage. Test transmissions: W. 10.00–11.30.

SWITZERLAND

SWISS TELEVISION SERVICE (Govt.)

Address: Bellerive Studios, 2, Kreuzstrasse, Zürich (Programme Service in German) – 66, Boulevard Carl Vogt, Genève (Programme Service in French) – **Leading Personalities:** Head of Swiss T.V. and of Programme Service in German: Edouard Haas. Head of Programme Service in French: Frank R. Tappolet.

Stations. d.:	ch.	kW	Stations:	ch.	kW
Uetliberg (Zürich)	E3	25/5	Dole	E4	100/20 d.
Bantiger (Berne)	E2	30/6	Chrischona (Bale)	E10	0.5/0.1
Projected st.	**ch.**	**kW**	**Projected st.**	**ch.**	**kW**
Saentis[1])	E7	100/20	S. Salvatore	E10	3/0.6[3])
Gempen[2]) (replaces Chrischona)	E10	10/2	Monte Ceneri	E5	5/1[3])

[1]) spring 1957 [2]) 1956 [3]) the end of 1955.

D. Prgr. in German and French: 18.30–19.45 exc. Tues. Transmissions Sun. morning and afternoon. Wed. childrens hour in German 15.00; Thurs. in French 15.00.

Relay Facilities: A microwave link across the Alps. It runs from Gempen, near Bale, (northern border) to Froburg – Bantiger-Jungfrau (12.200 ft.) – Monte Generoso (southern border). This link connects the German and Italian TV systems. – A second microwave link runs from Uetliberg – Froburg – Bantiger – Romont – La Dole. It will be extended to Saentis at the end of 1957.

USSR

CENTRAL ADMINISTRATION OF RADIOINFORMATION (Govt.)

Stations: Def. 625. W. exc. Sat. 16.10–20.00; Sat. 15.00–20.30. – Sun. 11.00–15.00, 16.30–20.00. – Moskva Ch. RII, – Leningrad ch. RII, Kiev ch. RIII, Kalinin ch R.III, Riga ch. RIV, Charkov ch. R.IV.

AFRICA

MOROCCO

COMPAGNIE MAROCAINE DE RADIO-TELEVISION "TELMA" (Pr. Comm.)

Address: TELMA, K.7.5 route de Marrakech Casablanca, Boite Postale 7029 AIN CHOCK. – **Cable:** Telmavision. – **Leading Personalities:** Dir. Gen.: M. Andre Fortin. Dir. Tec.: Francois d'Ornellas. Dir. Progr.: Jean Luc. – **Stations:** Casablanca Ch F13. Rabat F9. Vision 28 kW. Sound 7 kW.

NEAR EAST

TURKEY

TECHNICAL UNIVERSITY OF ISTANBUL (Govt.)

Address: Teknik Üniversite Elektrik Fakültesi, Yüsek Frekans Teknigi Laboratuvari, Istanbul. – **Station:** Ch. E4 0.1. Sound: 1 kW.

EAST AND PACIFIC

AUSTRALIA

AUSTRALIAN BROADCASTING COMMISSION (Govt.)

No television stations are operating in Australia. Plans however, are now in hand for the setting up of one National and two Commercial stations in Sydney and one National and two Commercial stations in Melbourne. It is hoped that the service will be operating before 1957 in those two cities and that it will be extended subsequently to the capitals of the other States. The Australian Broadcasting Commission is the authorithy which will administer the National Television Service. The licenses for the comm. services are to be granted to: Sydney area: Amalgamated Television Services Pty. Ltd., 76-80 Elizabeth Str., Sydney and Television Corpo. Ltd., 168-174 Castleragh Str. Sydney. – Melbourne area: Harald Sun Television Pty. Ltd., Cur Dorcas and Wells Str., S. Melbourne, Gen. Television Corpo. Pty., Ltd., 147, Collins Str., Melbourne.

HAWAII (Honolulu)

Stations	ch.	kW	Stations	ch.	kW
KONA-TV	A2	55/30	KULA-Tv	A4	26.3/13 1
KBMB-TV	A9	104/62	KHBC-Tv	A9	3/1.5
KMAU-TV	A3	6/3	KMVI-Tv	A12	30/1.5

KONA (Comm.): – **Addr.:** Honolulu Ltd., 206 Koula Str., Honolulu. **Cable:** Radhon. - **L.P.:** Pres., Gen. Mgr.: J. D. Keating. Chief Eng.: L. Trombly. Prgr. Mgr.: T. Christman. – **D. Prgr.:** 22.00–10.00. –

KULA (Comm.): **Addr.:** Pacific Frontier Broadc. Co. 1290 Ala Moana Blvd., Honolulu. – **L.P.:** Gen. Mgr.: J. Burnet. Prgr. Mgr.: B. Sevey. Chief Eng.: R. Miyahira. – **D. Prgr.:** 02.00–09.00. –

KBMB, KMAU, KHBC-TV (Comm.): **Addr.:** Hawaiian Broadc. Co. Ltd., 1534 Kapiolani Blvd., Honolulu. **Cable:** RCA HU 137 and Mackay KG. – **L.P.:** Gen. Mgr.: C. R. Evans. Dir. Prgr.: R. Costa. Chief Eng.: D. Hunter. – **D. Prgr.:** W. 16.15–09.00. Sat. Sun.: 01.00–09.00. –

KMVI-TV: **Addr.:** P. O. Box 375, Wailuku, Maui. – **L.P.:** Pres.: J. W. Cameron. Gen. Mgr.: E. J. Crane. Mgr. T. V. and R.: R. E. Manson. Dir. Tec.: G. Tam. – **D. Prgr.:** 22.00–09.00.

INDONESIA

Television is being introduced by the US-Government. A. television will be opened in Djakarta in the near future.

JAPAN

NIPPON HOSO KYOKAI (Public Corporation, non-comm.)

Address: The Japan Broadcasting Corporation, 2, 2-chome, Uchisaiwai-cho, Chiyoda-ku, Tokyo-to. **Cable:** RadioNHK.

Leading Personalities: President: Tetsuro Furukaki. Chief of Television (Pgrm.): Yoshio Yoshikawa. Chief of TV Operation: Kiyoshi Yamaguchi. Chief of Techn. Dept.: Kei Mizokami.

STATIONS:		mc/s	kW	mc/s	kW
Tokyo	JOAK-TV	103.25	10 (vision)	107.75	5 (sound)
Osaka	JOBK-TV	171.25	10 (vision)	175.74	5 (sound)
Nagoya	JOCK-TV	103.24	10 (vision)	107.15	5 (sound)

DAILY PROGRAMMES: 02.30–04.30, 08.55–12.30. In addition, remote pick-ups of special events are televised, when occasion arises.

Projected Stations:

JOFK-TV Hiroshima 3 kW. – JOHK-TV Sendai 3 kW. – JOLK-TV Fukuoka 5 kW. – In addition a plan is afoot to establish 26 stations in major cities by April 1958 (5 kW st. – 4; 3 kW st. – 13; 1 kW st. – 9.).

PRIVATE COMMERCIAL STATIONS:

NIPPON TV NETWORK CORP (Nippon Television Hosomo Kabusiki Kaisha) (Comm.) **Address:** 14 Nibancho, Chiyodaku, Tokyo. **Leading Personalities:** President: Matsutaro Shoriki. Managing Director: Yoshichiro Shimizu. Production Director: Teihichi Kusumi. **Stations:** JOAX-TV 171.25 mc/s 10 kW (vision), 175.75 mc/s 5 kW (sound). **Daily Programmes:** D.: 03.00–04.40, 09.30–12.20. Sun., Sat. also 05.00–08.30.

OSAKA TELEVISION BROADCASTING CORPORATION: – **Addr.:** Dojima-naka – 1 – chome, Kitaku, Osaka. – **L.P.:** Pres. Tsuyoshi Suzuki; Dir. Prgr.: Kiyoshi Hara; Comm. Dir.: Toru Nagamatsu. Dir. Tec.: Kunio Endo. – **Stations:** JOBX-Tv ChJ6 10/5 kW. – **D. Prgr.:** W. 05.50–07.30, 11.50–15.30, Sat., Sun. 07.30–11.30. In operation August 1956.

RADIO TOKYO-TV.: **Addr.:** Akasaka, Minato-ku, Tokyo.– **L.P.:** See Japan. – **Station:** JOKR-TV. ch.J6 10/5 kW. – **D. Prgr.:** D. 03.00–04.00, 09.00–12.40.

Projected stations to be opened Sept. 1956: Chubu Nippon Broadcasting Co.: JOAR-TV ch. J.5 10/5kW.

PHILIPPINES (Pr. Comm.)

BOLINAO ELECTRONICS CORPO., 5th Floor, Republic Super, Market Building, Manila. – **L.P.:** Gen. Mgr.: J. B. Lindenberg. Comptroller: B. R. Pambuan. Sales: L. F. Arciaga. Traffic Mgr.: S. M. Recio. – **Station:** DZAQ-TV. ch. A3 7/3 kW. – **D. Prgr.:** 02.00–06.00.

The following companies have been granted franchises to operate T.V. stations: The Republic Broadcasting System. TheManila Broadcasting Comp. The Evening News. The Manila Cronicle.

AMERICA NORTH

CANADA

CANADIAN BROADCASTING CORPORATION

(Publicly owned)

ADDRESSES: **Quebec Region:** CBFT, CBMT: 1425 Dorchester Str., West, Montreal.– **Maritime Region:** CBHT, Belle Road, Halifax, Nova Scotia. – **Prairie Region:** CBWT, 541 Portage Avenue, Winnipeg, Manitoba. – **British Columbia Region:** CBUT, 701 Hornby Str., Vancouver. – **Ontario Region:** CBLT, 354 Jarvis Street, Toronto. CBOT, CBOFT, P. O. Box 39, Westboro, Ottawa.

LEADING PERSONALITIES: **Quebec Region CBFT:** Director: A. Ouimet. Progr. Dir.: F. Guerard. Techn. Dir.: C. Frenette – **CBMT:** Director: A. Ouimet. Progr. Dir.: H. Capozzi. Techn. Dir.: C. Frenette. – **Maritime Region:** CBHT: Director: F. Brickenden. Progr. Dir.: C. MacCaul. Techn. Dir.: J. Simonsen. – **Prairie Region:** CBWT: Director: W. Carpentier. Progr. Dir.: G. Atkinson. Techn. Dir.: H. Heywood. – **B. C. Region CBUT:** Director: P. McDonald. Progr. Dir.: M. L. Munro. Techn. Dir.: R. Whiteside. – **Ontario Region CBLT:** Director: F. Mutrie. Progr. Dir. R. W. McGall. Techn. Dir.: R. Horton. **CBOT:** Manager: Georges Huard. Progr. Dir.: Bruce MacPherson. Techn. Dir.: J. Book. **CBOFT:** Manager: Georges Huard. Techn. Dir.: J. Book.

Stations: Definition 525. v = vision. s = sound.

		ChA	v. kW*	s. kW*			ChA	v. kW*	s. kW*
Montreal	CBFT	2	15.7	8.28	Vancouver	CBUT	2	102	55.2
Montreal	CBMT	6	43.8	26.2	Toronto	CBLT	9	25.65	12.72
Halifax	CBHT	3	56.5	33.8	Ottawa	CBOT	4	50.1	26.7
Winnipeg	CBWT	4	56.2	33.7	Ottawa	CBOFT	9	31	17

* Effective radiated power.

TV Facilities: A microwave link is in operation between Quebec, Montreal, Ottawa, Toronto and Buffalo, N.Y. for transmission to and from USA. The microwave link also extends to other Ontario cities and will be extended to Winnipeg, Manitoba in the near future.

PRIVATE STATIONS Comm.

	Ch.	vision kW	sound kW	
CJCB-TV	4	100	60	318 Charlotte Street, Sydney, N. S.
CHSJ-TV	4	27.8	13.9	14 Church Street, Saint John, N. B.
CJBR-TV	3	34	19.4	6 St. Jean Street, Rimouski, Quebec.
CFCM-TV	4	1.27	0.635	145 Rue St. Jean Bosco, Ste. Foy, Quebec, P.Q.
CHLT-TV	7	17.3	8.8	3 Marquette Street, Sherbrooke, P. Q.
CKWS-TV	11	101	60.6	170 Queen Street, Kingston, Ontario.
CHEX-TV	12	102	61.2	P.O. Box 696, Peterborough, Ontario.
CHCH-TV	11	16.9	10.5	163 Jackson Street West, Hamilton, Ont.
CKCO-TV	13	16	8.45	864 King Street, West Kitchener, Ont.
CFPL-TV	10	117	59.6	P.O. Box 488, London, Ont.
CKLW-TV	9	178	107	825 Riverside Drive West, Windsor, Ont.
CKSO-TV	5	1.74	0.87	Regent and Ash Streets, Sudbury, Ont.
CFPA-TV	2	5.1	2.55	87 North Hill Street, Port Arthur, Ont.
CKCK-TV	2	18.9	10	Leader Post Building, Regina, Saskatch.
CFQC-TV	8	100	60	216 First Avenue North, Saskatoon, Sas.
CHCT-TV	2	100	50	P.O.Box 550, Calgary, Alberta.
CFRN-TV	3	27.4	13.7	109 CPR Building, Jasper Avenue, Edm.,
CJIC-TV	2	5.16	2.58	119 East Street, Sault Ste. Marie, Ont.
CKX-TV	5	19.3	9.65	30th Street and Victoria Avenue, Brandon Manitoba.
CKCW-TV	2	5	[illegible]	Knights of Pythias Hall, Moncton, New Brunswick.
CJON-TV	2	1.06	0.634	Broadcasting House, Prince of Wales Street, St. John's Newfoundland.
CKVR-TV	3	14	7	P.O. Box 267, Barrie, Ont.
CJLH-TV	7	96.1	44.9	1015-3rd Avenue South, Lethbridge, Alb.

Hours of transmission converted into GMT from Canadian summertone. Add. one hour to each of the hours of transmission indicated below. –

CJBR-TV: Addr.: 6 St.-Jean, Rimouski, Qu. – **L.P.:** Pres. J. Brillant Mgr.: A Lecomte. Prgr. Dir.: F. Raymond – Dir.Tec.: M. Vallee G. Fournier. Dir. Press.: S. Brugess. – **D. Prgr.:** 20.30–04.00.

CHEX-TV: Addr.: RR 10 Peterborough, Box 696. Ont. – **L.P.:** St. Mgr.: DR. Lawrie. Dir. Tec.: A. Crump. Dir. Prgr.: W. Straiton. – **D. Prgr.:** 20.30–03.15. –

CKCO-TV: Addr.: Central Ontario Television Ltd., 864 King Street, Kitchener, Ont. – **L.P.:** Gen. Mgr.: E.E.Fitzgibbons. – **Dir. Prgr.:** D. Martz. Dir. Tec.: D. Sandy. Dir. Publicity: J. Lauthier. – **D. Prgr.:** 19.00–05.00.

CFPL-TV: Addr.: Commissioner's Rd., RR4, London, Ont. – **L.P.:** Pres, Mgr. Dir.: W. J. Blackburn. St. Mgr.: M. T. Brown. Asst. Mgr.: R. A. Reinhart. Dir. Tec.: G. Robitaille. Promotion Mgr.: W. Cliff. Wingrove. – **D. Prgr.:** 17.30–04.30 (Sat. 05.30).

CKCK-TV: Addr.: Regina, Saskatoon, Sas. – **L.P.:** Mgr.: H. A. Crittenden. Prod. Mgr.: L. Glover. Dir. Tec.: E. A. Strong. – **D. Prgr.:** 22.30(Sun. 20.30)–07.00.

CFQC-TV: Addr.: St. CFQC-TV, 216. First Av. North., Saskatoon, Sas. – **L.P.:** Pres.: A. Murphy. V. Pres and Gen. Mgr.: G. Blair Nelson. Ass. Mgr. :V. Dallin. Dir. Tec.: Lyn Hoskins. Dir. N.: G. Hudson. – **D. Prgr.:** 22.30–07.30. –

CFRN-TV: Addr.: CFRN-TV, C. P. R. Building, Jasper Av., Edmonton. – **L.P.:** Pres. Gen. Mgr.: G. R. A. Rice. Dir. Tec.: F. G. A. Makepeace. Production Mgr.: S. O. S. Lancaster. – **D. Prgr.:** Sun. 21.30–07.00. W.: 23.00–06.30 (Sat. 08.30). –

CJIC-TV: Addr.: Hyland Radio-TV, Ltd., Hyland Building, 119 East St., Sault S. Marie, Ont. – **L.P.:** Pres. Gen. Mgr.: J. J. Hyland. Mgr.: Sam Pitt. Dir. Tec.: D. Irwin. –

UNITED STATES

22 educational stations are operated by schools and colleges. **Addr.:** Dept. of Healt, Education and Welfare, Office of Education Washington 25 D. C. (**L. P.:** Franklin Dunham, Chief of Radio – Television) – 356 commercial TV-stations in operation ($^{31}/_{12}$54).

THE ARMED FORCES TELEVISION SERVICE

AFRS operates an experimental TV station at Limestone, Maine, USA. AFRTS operates TV-stations. in Alaska, Portugal, Azores, Eritrea, Tripoli, Tunis, Saudi Arabia, Okinawa, Bermuda, Eniwetok, Guam, Cuba, Puerto Rico, Canal Zone, Philippine.

AMERICA CENTRAL

CUBA All stations comm.

Calll.	Ch.	v. s. kW	Name and address
HABANA			
CMA-TV	A2	110/60	Tele-Mundo S.A. Edificio Ambar Motors, P. and 23
CMUR-TV	A4	13.4/6.7	Television Nacional S.A., Mazon 52
CMQ-TV	A6	14.5/7.25	Circuito CMQ, S.A. Radiocentro, Vedado.
CMBF-TV	A7	26/13	Circuito CMQ, S.A., Radiocentro,
CM-TV	A11	32/15	Televisora CMTV-S.A., Edificio Ambar Motor, P. and 23
MATANZAS PROVINCE			
CMGQ-TV	A9	2.9/1.45	Circuito CMQ, S.A., Matanzas
	A13	5/2.5	Radio Television El Mundo, S.A.*
SANTA CLARA			
CMH-TV	A3	28/14	Television Nacional, S.A., Habana
CMHQ-TV	A5	13.7/6.85	Circuito CMQ, S.A., Santa Clara
	A8	5/2.5	Union Radio Television, S.A., Santa Clara)
	A10	5/2.5	Radio Siboney, Santa Clara*)
CAMAGÜEY PROVINCE			
	A2	5/2.5	Radio Television El Mundo, S.A., Florida*
CMUL-TV	A6	14/7	Circuito CMQ, S.A., Radiocentro, Habana
	A9	5/2.5	Radio Siboney, Florida*)
ORIENTE PROVINCE			
CMKU-TV	A2	13.7/6.85	Circuito CMQ, S.A., Santiago de Cuba
	A5	5/2.5	Radio Television El Mundo, S.A., Santiago de Cuba*)
	A7	5/2.5	Union Radio Television, S.A., Santiago de Cuba*)
	A8	5/2.5	Union Radio Television, S.A., Holguin*)
	A9	5/2.5	Radio Siboney, Santiago de Cuba*)
	A10	5/2.5	Radio Siboney, Holguin*)
	A11	5/2.5	Cadena Oriental de Radio, Santiago de Cuba*)
	A12	5/2.5	Radio Television El Mundo, S.A., Holguin*) *) Under construction.

CIRCUITO CMQ S.A. (Comm.): Addr.: Radiocentro, Habanas. L. P.: See Cuba. D. Prgr.: 14.00–05.00. – – **Projected stations:** Habana CMQ-TV ch. 6 100/50 kW, CMBF ch-TV 7 25.5/12.75 kW. – Sta. Clara: CMHQ-TV ch. 5 25.6/12.75. C. de Avila ch. 2 13.3/6.65 kW. Camaguey CMJD-TV ch. 6 57.5/28.75 kW.
AFRTS (Military): Guantanamo ch. A8 0.085/0.085 kW

RADIO TELEVISION NACIONAL S. A. (Comm.)
ADDRESS: S. Miguel y Mazon, Habana. – **L.P.:** Pres.: A. C. Ruiz. Mgr.: P. A. Rios. Dir. Prgr.: R. G. Kemp. Dir. Tec.: A. Barranco. **D. Prgr.:** 15.00–04.30. – **Projected St.:** Habana ch. A4 100/60. Matanzas ch. A13 2.7/1.3 kW. C. de Avila A7 2.4/1.2 kW. Camaguey A4 25/12.5 kW. Holguin A3 1.47/0.73 kW. Santiago A5 14.3/7.1 kW. In operation March 1956.

RADIO TELEVISION EL MUNDO (Comm.)
Address: 25y O Edificio Ambar Motor, Habana. – **Cable:** Telemundo. **Leading Personalities:** Gen. Man.: Sr. Hector Stocker. Sales Manager: Sr. Fernando Lopez Llobet. Dir. Tec.: Sr. Ventura Montes. – Dir. Progr.: Sr. Rodolp Perez Penalver. Dir. News: Sr. Carlos M. Lechuga. **Daily Progr.:** Ch. A2 from 17.15–04.15. Ch. A11 from 23.00–04.30.

DOMINICAN REP.

LA VOZ DOMINICANA-TV (Comm.): Addr.: Calle Miami Ciudad Trujillo D.S.D. Cable: Dominicana. – **L.P.:** Dir. Gen.: A. E. Santamaria Asst. Dir.: L. B. Matos. Dir. Tec.: Eng. A. Soto Dir. Prgr.: A. O. Bussi. – **St.:** HIT-TV ch. A4 5/2.5 kW.

GUATEMALA

RADIO NACIONAL (Govt.).
ADDRESS: Sub-Direccion General de Radiodifusion. **Cable:** "Digera". **L. P.:** J. T. Barrios. Dir. Dept.: Radio and Press. – **Station:** TGW-TV ch. A8 85/18 kW d.

MEXICO

All : Commercial stations.

XHTV	Ch A4	5/2.5 kW	Television de Mexico, S.A., Plaza de la Reforma No. 2, Edificio de la Loteria Nacional, Mexico D.F.
XEQ-TV	Ch A9	5/2.5 –	R. Panamericana, S.A., Av. Chapultepec no. 22, 24 y 26, Mexico D. F.
XEW-TV	Ch A2	5/2.5 –	Cadena Radiodifusora Mexicana, Av. Chapultepec no. 22, 24 y 26, Mexico D. F.
XHGC-TV	Ch A5	5/2.5 –	Television Gonzalez Camarena, S.A., José Maria Marroqui no. 11, Mexico D.F.
XELD-TV	Ch A7	5/2.5 –	Television de Matamoros, S.A., c/o Romulo O'Farrill. Alfonso Herrera No. 67, Mexico D. F.
XETV	Ch A6	38/17 –	Radio Television, S.A., Bravo y Lerma, Colonia Marrón.
XEX-TV	Ch A7	–	Television de Mexico c/o Romulo O'Farrill. Alfonso Herrera No 57, Mexico D.F.

CADENA RADIODIFUSORA MEXICANA, S.A.,
Address: Televicentro, Ave. Chapultepec18, Mexico, D.F. – **Leading Personality:** Pres.: Emilio Azcarraga. Dir.: R. O'Farrill jr. and E. Azcarrega. – **Daily Programmes:** W. 18.00–20.45, 21.30–07.00. Sun. 17.30–07.00.

PUERTO RICO (Pr. Comm.)

WAPA-TV: ADDRESS: Ponce de Leon Broadcasting Co., Inc., 357 Ponce de Leon, San Juan. – L. P.: Gen. Mgr.: Delfin Fernandez. Dir. Prgr.: José E. Franco. Chief Eng.: Howard Hayes. – Stations: Ch. 4 56/34 kW.

WKAQ-TV: ADDRESS: El Mundo Inc., Box 1072, San Juan. – L. P.: Gen. Mgr.: R. Delgado Marguez. Dir. Prgr.: F. Cortes jr. Chief Eng.: Y. H. Tudor. – Station: Ch. 2 30/15 kW.

AMERICA SOUTH

ARGENTINA

R. Belgrano. LR3-TV (Assosiation Promotora Tele-Radio-Difusion, Buenos Aires): Ch. 40/20 kW. 20.00–03.00. – Projected Stations: R. El Mundo ch. 5 50 kW. (Comm.). and 2 state-controlled (Radio del Estado) 200 kW stations. – The president for CAMARA ARGENTINA DE TELEVISION Mr. E. E. Ginsberg has proposed to arrange an international TV-Day for celebration of the first public transmission.

BRAZIL

Stations (all pr. comm.). In operation: PRF3TV. Difusora Sao Paulo S. A. (Diarios radios a televisions associados): Ch. A3 25/25 kW. – PRG3-TV R. Tupi S. A., Rio de Janeiro (Diarios radios a televisoes associados): Ch 6 25/25 kW – RTP. R. Televisao Paulista S. A. Emisoras Unidas, Sao Paulo: Ch. A5 25/25 kW. – PRB9-TV. R. Record S. A. (Emisoras Unidas), Sao Paulo: Ch. A7 32/16 kW. – PRH6-TV. TV. Itacolomi, Ediffico Acaiaca, 24° Andar, Belo Horizonte, Minas Gerais: Ch A4 40/24 kW. – L.P.: Pres.: Dr. Newton de Paiva, Ferreira. Mgr.: V. Purri-Neto. Dir. Prgr.: F. B. Marinho. Dir. Tec.: V. P. Neto. – D. Prgr.: 23.00–01.00. –

CHILE

TV-stations planned in Santiago, Valparaiso.

COLOMBIA

Stations in operation: HJRN-TV (Govt.) Colombian Broadcasting Organization; Estado Radiofusora Nacional, Transversal 17 No 25–65, Bogota: Ch. 8 1/0.25 kW. – A station which relays the prgr. from Bogota (Ch 10) to Manizales has been set up. – Stations in Manizales ch 10 and in Medellin ch 7.

URUGUAY

Servicio oficial de difusion. Radio Electrica (Govt.) – Address: Mercedes 973, Montevideo. Station: Ch A6 5/2.5 kW.

VENEZUELA

R. CARACAS TELEVISION (Comm.)
ADDRESS: Aptdo 2057 Caracas. – L.P.: Pres. W. H. Phelps. Vice-Pres.: Ricardo Espina. Gen. Mgr.: A. Espina. Dir Prgr.: Alfr. Ferrara. – Stations: Caracas YVKS-TV: Ch A2 64/32 kW. – Carabobo YVKS-TV Ch. 7 12.8/6 kW: 12.00–03.30.

ONDAS DEL LAGO (Comm.) has begun the building of a modern radio and television centre which includes a television studio. In operation by the end of 1956.

TELIVISORA NACIONAL (Govt.): The Ministry of Communication of the National Govt. Caracas. Stations: YVKA-TV ch. 5 32/18.6 kW.

TELEVISION VENEZOLANA S. A. Caracas: (Comm.)
L. P.: Pres.: Gonzalo Mancera. – Stations: YVLV-TV: Ch 4 16/9.4kW. Two stations are reported to be under construction at Maracaibo.

A DIRECTORY OF THE ADVERTISERS

AMPLIFIER CORPORATION OF AMERICA, 398 Broadway New York 13, N.Y., USA. Cable "Amplifiers". See advertisement page 26
AUSTRALIAN BROADCASTING COMMISSION, RADIO AUSTRALIA. Post Office Box 780 H.G.P.O., Melbourne, Australia: See text page 103 and advertisement page 16
BERLINGSKE TIDENDE, Pilestræde 34, Copenhagen, Denmark: See advertisement page 36
BRITISH BROADCASTING CORPORATION, Broadcasting House, Portland Place, London W. 1, England: See text page 52 and advertisment page 20
CANADIAN BROADCASTING CORPORATION, INTERNATIONAL SERVICE, P. O. Box 6000, Montreal, Quebec, Canada: See text page 110 and advertisement page 15
CHRISTIAN BROADCASTER (RAVEMCCO), 156 Fifth Avenue, New York City 10, USA: See advertisement page 30
COMPAGNIE FRANCAISE THOMSON-HOUSTON, Groupe Electronique, 173 Boulevard Haussmann, Paris VIII, France: See advertisement back cover and pages 45, 46
DANISH STATE RADIO, Radio House, Rosenörns Alle 22, Copenhagen V: See text page 42 and advertisement page 17
DEUTSCHE WELLE, Köln, Wallrafplatz 5: See text page 44 and advertisement page 6
ELECTRIC AND MUSICAL INDUSTRIES LTD. (E.M.I.), INTERNATIONAL DEPARTMENT, Hayes, Middlesex, England. Cables: "Emiglobe, London". See advertisement ..... Coverpage 2
FRAZAR AND HANSEN LTD, 301, Clay Street, San Francisco 11, Calif., USA: See advertisement pages 24–25
GATES RADIO COMPANY INTERNATIONAL DIVISION, 13 East 40th Street, New York 16, N. Y., USA. Cables: "ARLAB". See advertisement page 23
THE GENERAL ELECTRIC COMPANY LTD OF ENGLAND, Magnet House, Kingsway, London, W. C. 2, England: See advertisement page ..... 27 and 113
HALLAM, SLEIGH & CHESTON LTD., Birmingham 4, England. Cable: "Superfine". See advertisement ..... Coverpage 3
HELLESENS ENKE and V. LUDVIGSEN LTD., Aldersrogade 6, Copenhagen, Denmark: See advertisement page 37
INTERNATIONAL GENERAL ELECTRIC COMPANY, 570 Lexington Avenue, New York 22, N. Y., USA: See advertisement page 19
JAPAN BROADCASTING CORPORATION – Nippon Hoso Kyokai, No. 2, 2-chome, Uchisaiwai-cho, Chiyoda-ku, Tokyo, Japan: See text page 97 and advertisement page 14
ROBERT KARST (ROKA), Berlin-SW 29 (US Sector): See advertisement page 30
THE MANILA BROADCASTING COMPANY, Manila, Philippines: See text page 108 and advertisement page 32
MINNESOTA MINING AND MFG. CO., St. Paul 6, Minnesota. Export Sales Office: 99, Park Ave., New York 16, N. Y., USA: See advertisement page 29
NATIONAL COMPANY INC., 61, Sherman Street, Molden 48, Mass., USA: See advertisement page 38
NEAR EAST ARAB BROADCASTING STATION, Phoenicia Road, Beirut, Lebanon: See text page 88 and advertisement page .. 38
NORSK RIKSKRINGKASTING, Suhmsgate 23, Oslo, Norway: See text page 62 and advertisement page 12
PHILIPS, EINDHOVEN, Holland: See advertisements pages 8-9
RADIO NACIONAL DE ESPANA, Castellana No. 42, Madrid, Spain: See text page 66 and advertisement page 67
RADIO CLUBE DE MOCAMBIQUE, P. O. Box 594, Lourenco Marques: See text page 83 and advertisement page 84
RED DE EMISORAS DEL MOVIMIENTO, Direction: Puerta del Sol 11, Madrid, Spain: See advertisement page 143
ROCKE INTERNATIONAL CORPORATION, 13 East, 40th Street, New York 16, N. Y., USA. Cables: "ARLAB". See advertisement page 11
CARL SCHNEIDER, Rohrback-Darmstadt 2, Germany: See advertisement page 30
SHARQ AL ADNA (NEAR EAST ARAB BROADCASTING STATION), Phoenicia Road, Beirut, Lebanon: See text page 88 and advertisement page 38
SOCIEDAD ESPANOLA DE RADIODIFUSION (S.E.R.), Avenida de José Antonio 32, Madrid, Spain: See text page 68 and advertisement page 28
STORNO, Division of The Great Northern Telegraph Co. Ltd., Ved Amagerbanen 21, Copenhagen: See advertisement page 21
STRATTON AND CO. LTD., of Eddystone Works, Alvechurch Road, Birmingham 31, England: See advertisement page 22
SWEDISH BROADCASTING CORPORATION, A/B RADIOTJÄNST, Stockholm 7, Sweden: See text page 69 and advertisement page 71
SWISS SHORTWAVE SERVICE, Neuengasse 23, Berne, Switzerland: See text page 70 and advertisement page 4
TELEFUNKEN G.m.b.H., Berlin S.W. 61, Mehringdamm, Germany: See advertisement page 35
THE VOICE OF THE ANDES, INTERNATIONAL MISSIONARY STATION HCJB, Quito, Ecuador, S. America: See text page 139 and advertisement page 38
THE VOICE OF AMERICA, Washington 25, D. C., USA: See text page 114 and advertisement page 2

For Advertisers: Facts prove, that the world wide "buyer contact" distribution of WRH makes it one of the soundest and most economical export advertising media. Brochure and rates from: World Radio Television Handbook, Lindorfsallé 1, Hellerup, Denmark.
To make sure of space post your letter today.

LONG- AND MEDIUM WAVE STATIONS

EUROPE — NORTH AFRICA — NEAR EAST

For medium waves of the other countries see the individual countries.

kc/s	Metres	kW	Stations
151	1987	100	**Moscow I** - USSR
151	1986	35	**N.D.R.** - Germany
155	1935	10	**Tromsö** - Norway
155	1935	150	**Stalin** - Rumania
164	1829	250	**Allouis** - France
173	1734	1000	**Munich (VOA)** - Germany
173	1734	500	**Moscow II** - USSR
182	1648	100	**Reykjavik** - Iceland
182	1648	10	**Luleå** - Sweden
182	1648	120	**R. Ankara** - Turkey
182	1648	400	**Europe No. 1** - Saar
185	1622	100	**Deutschlandssender** Germany
191	1571	35	**Tbilisi** - USSR
191	1570	150	**Motala** - Sweden
200	1500	100	**Moscow II** - USSR
200	1500	400	**Droitwich** - Gt. Brit.
209	1435	150	**Kiev I** - USSR
218	1376	10	**Baku** - USSR
218	1376	200	**Oslo** - Norway
227	1322	200	**Warsaw I** - Poland
233	1287	500	**Luxembourg I**
236	1271	100	**Leningrad** - USSR
245	1224	150	**Kalundborg I** - Denmark
254	1181	200	**Lathi** - Finland
263	1141	150	**Leningrad I** - USSR
263	1141	20	**Königswusterhausen** Germany Dem. R.
272	1108	200	**Praha 2** - Czechosl.
281	1068	100	**Minsk** - USSR
340	882.4	100	**Moscow II** - USSR
364	824	50	**Erivan** - USSR
385	779	50	**Kharkov** - USSR
420	714	10	**Östersund** - Sweden
433	693	10	**Oulu** - Finland
517	580.2	0.05	**Hermagor** - Austria
520	577	1.5	**Braunschweig NDR.** - Germ.
520	577	1	**Hamar** - Norway
520	577	1	**Joensuu** - Finland
520	577	5/0.2	**Bayreuth B. R.** - Germany
520	577	5	**Nürnberg (B.R.)** - Germany
520	576.9	10	**Innsbruck** - Austria
520	576.9		**4 low power st.** - Austria
529	567.1	20	**R. D.D.R.** - Germ.
~~529~~	567.1	150	**Beromünster** - Switzerland
539	556.5	135	**R. Kossuth** - Hung.
548	547.4	100	**Munich AFN** - Germany
548	547.5	100	**Moscow II** - USSR
557	539	100	**Helsinki I** - Finland
557	538.6	20	**Cairo I** - Egypt
557	538.6		**Timisoara II** - Rumania
557	538.6	50	**M. Ceneri** - Switzerland
557	538.6	20	**R. D.D.R** - Germ.
557	538.6	1	**Guarda** - Portugal
557	539		**Stalingrad** - USSR
566	530	100	**Athlone** - Ireland
566	530	10	**Caltanissetta I** - Italy
566	530		**Kazan** - USSR
566	530	20	**Freies Berlin** - Germany
575	522	100	**Stuttgart (S.D.R.)** - Germany
575	522	100	**Riga** - USSR
575	521.7	300	**Berliner Rundfunk (Dem. R.)** - Germ.
575	521.7	50	**Tel Aviv** - Israel
584	514	1	**Paris Grenelle** - France
584	513.7	7	**Klagenfurt** - Austria
584	513.7	100	**Wien** - Austria
584	513.7	10	**Salzburg** - Austria
585	513.7	150	**R. Nacional** - Spain
593	505.9	150	**Sundsvall** - Sweden
593	505.8	100	**Frankfurt (H. R.)** - Germany
593	505.8	20	**Meissner (H R)** - Germany
593	506	20	**Sofia II** - Bulgaria
593	505.9		**Ordzonikidze** - USSR
602	498.4	20	**Berliner Rundfunk** - Germany (D.R.)
602	498.2	2	**Damascus** - Syria
602	498	100	**Lyon I** - France
606	495	2	**Nicosia** - Cyprus
610	491.8	0.05	**Greifenburg** - Austria
610	491.8	2	**R. Bahrain** - Bahrain
611	491	10	**Nürnberg AFN** - Germany
611	491	120	**Sebaa-Aioun** - Fr. Morocco
611	491	5	**Eidar TFE** - Iceland
611	491	20	**Berliner Rundfunk** - Germany
611	491	100	**Petrozavodsk** - USSR
611	491	20	**Sarajevo** - Yugosl.
615	487.4	0.1	**Eisenerz** - Austria
616	487	0.025	**Bad Aussee** - Austria
620	483.9	100	**Cairo III** - Egypt
620	483.9	100	**Moscow II** - USSR
620	483.9	20	**Gorki** - USSR
~~620~~	483.9	150	**Bruxelles I** - Belg.
622	482	0.1	**Radenthein** - Austria
629	477	100	**Vigra** - Norway
629	477	0.05	**Kitzbühel** - Austria
629	476.9	25	**Innsbruck** - Austria
629	476.9	25	**Dornbirn** - Austria
629	476,9	20	**Tunis I** - Tunisia
633	475	1	**Godthåb OXI** - Greenland
638	470.2	100	**Sharq al Adna** - Cyprus
638	471	5	**Sevilla** - Spain
~~638~~	470.2	120	**Praha I** - Czechosl.
647	463.5	100	**Kharkov** - USSR
647	463.6	100	**Simferopol** - USSR
647	464	150	**Daventry** - Gt. Brit.
647	464	2	**Edinburgh** - Gt. Brit.
647	464	2	**Glasgow** - Gt. Brit.
647	464	2	**Newcastle** - Gt. Brit.
647	464	2	**Redmoss** - Gt. Brit.
652.1	460	0.8	**Tel-Aviv** - Israel
656	457.3	5	**R. D.D.R.** - Germ.
656	457.3	20	**Bolzano I** - Italy
656	457.3	80	**Firenze I** - Italy
656	457.3	80	**Napoli I** - Italy
656	457.3	35	**Torino I** - Italy
656	457.3	10	**Venezia I** - Italy
656	457.3	150	**Murmansk** - USSR
656	457.3	10	**Grozny** - USSR
660	454.5	20	**R. Kabul** - Afghan.
665	451.2	15	**Athens II** - Greece
665	451.2	1	**Hoefn** - Iceland
665	451.2	50	**Damascus** - Syria
665	451	2	**Grafenwohr AFN** - Germany
665	451	10	**Kaiserlautern AFN** Germany
665	451	50	**Lisboa I** - Portugal
665	451	100	**Vilnus** - USSR
674	445.1	50	**Rostov/Don** - USSR
674	445.1	10	**Bodö** - Norway
674	445	100	**Rennes I** - France
677	443	20	**Jerusalem** - Jordan
683	439.2	1.25	**R. Africa** - Tangier
683	439	150	**Beograd I** - Yugosl.
683	439	100	**Berlin (RIAS)** - Germany
688	436	20	**R. D.D.R.** - Germ.
691	433.5	100	**Moscow II** - USSR
692	434	2	**Cromer** - Gt. Britain
692	434	10	**Nicosia** - Cyprus
692	434	150	**Moorside Edge** - Gt. Britain
692	434	2	**Whitehaven** - Gt. Britain
692	434		**5 lowpover st.** - Austria
701	428	20	**La Coruna** - Spain
701	427.8	2	**Aachen (W.D.R.)** - Germany
701	427.8	2	**Herford (W.D.R.)** - Germany
701	427.8	2	**Osterloog (N.D.R.)** - Germany
701	428	150	**Istanbul** - Turkey
701	428	120	**Sebaa-Aioun** - Fr. Morocco
701	428	20	**Finmark** - Norway
701	428	2	**Bratislava II** - Czechoslovakia
701	428	100	**Banska Bystrica** - Czechoslovakia
701	428	2	**Kosice** - Czechosl.
710	422	150	**Marseille I** - France
710	422	100	**Stalino** - USSR
710	422.5	100	**Tartu** - USSR
719	417.2	135	**R. Fr. Eur.** - Germ.
719	417	15	**Lisboa II** - Portugal
719	417.2	20	**R. Universidade** - Portugal
719	417.2	20	**Aleppo** - Syria
725	413.8	3	**Djeddah** - S. Arabia
728	412	25	**Klagenfurt** - Austria
728	412	50	**Athens I** - Greece
728	412	500	**R. D.D.R.** - Germ.
737	407.1	40/20	**Hof/Berlin (RIAS)** - Germany
737	407	0.5	**Jerusalem** - Israel
737	407.1	5	**Akureyri** - Iceland
737	407.1	100	**Warsaw** - Poland
737	407.1	30	**Barcelona** - Spain
746	402	20	**Damascus** - Syria
~~746~~	402	120	**Hilversum I** - Holl.
753	398	0.8	**Albacete** - Spain
755	397	20	**Kuopio** - Finland
755	397.3	50	**Timisoara I** - Rumania
755	397	10	**Porto I** - Portugal
755	397.3	2	**Siegen (W.D.R.)** - Germany
764	392.6	150	**Sottens** - Switzerl.
764	392.6	20	**Rostov** - USSR
764	392.6	20	**Baghdad** - Iraq
773	388.1	55	**Stockholm** - Sweden
773	388.1	2	**Malmberget**-Sweden
773	388	2	**Vatican Radio**
773	388	50	**Cairo II** - Egypt
773	388	1	**Salzburg** - Austria
773	388		**3 low power stations** Austria
782	383.6	500	**Deutschlandsender** - Germany
782	383.6	100	**Parede** - Portugal
782	383.6	100	**Kiev II** - USSR
782	383.6	15	**R. Madrid** - Spain
791	379	100	**Limoges I** - France
791	379.2	50	**Salonika (VOA)** - Greece
~~800~~	375	100	**München (B. R.)** - Germany
800	375	100	**Leningrad II** - USSR
800	375	5	**R. Sevilla** - Spain
809	371	100	**Burghead** - Gt. Brit.
809	371	2	**Dumfries** - Gt. Brit.

kc/s	Metres	kW	Stations
809	371	5	**Redmoss** - Gt. Brit.
809	371	100	**Westerglen** - Gt. Brit.
809	370.8	20	**Skoplje** - Yugoslav.
809	370.8	10	**R. Barcelona** - Spain
809	370.8	100	**Moscow II** - USSR
809	370.8	30	**Kuibyshev** - USSR
818	366.7	10	**Trieste I** - Italy
~~818~~	366.7	50	**Warsaw II** - Poland
827	363.4	1	**Rabat** - Fr. Morocco
827	362.8	100	**Kaunas** - USSR
827	363	100	**Sofia I** - Bulgaria
827	363	1.5	**Baden-Baden (SWF)** Germany
827	363	20	**Tetuan** - Sp. Morocco
827	363	40	**Freiburg (SWF)** -
827	363	2	**Kaiserslautern (SWF)** - Germany
827	363	1	**Koblenz (SWF)** - Germany
827	363	1	**Sigmaringen (SWF)** - Germany
827	363	1	**Trier (SWF)** - Germ.
836	359	10	**Ylivieska** - Finland
~~836~~	359	100	**Nancy I** - France
836	358	1	**Barcelona EFJ 15** - Spain
836	358	0.4	**Badajoz** - Spain
836	359	4	**Beyrouth** - Lebanon
845	355	0.2	**Helsinki III** - Finl.
~~845~~	355	150	**Roma II** - Italy
850	352.9	2	**Huelva** - Spain
850	352.9	0.25	**Huelva** - Spain
854	351.3	150	**Bucuresti I** - Rum.
854	351	3.5	**Madrid** - Spain
854	351	50	**R. Fr. Eur.** - Germ.
857	350.1	0.8	**Granada** - Spain
858	349.6	20	**R. D.D.R.** - Germ.
863	348	150	**Paris I** - France
863	348	150	**Erivan** - USSR
872	344.0	150	**Frankfurt AFN** - Germany
872	344.0	135	**R. Petöfi** - Hungary
872	344.0	30	**Zaragoza** - Spain
872	344.0	150	**Moscow** - USSR
881	340.6	20	**Titograd** - Yugosl.
881	340.5	20	**Deutschlandsender** Germany
881	340.5	7.5	**Benghazi (F.B.S.)** - Libya
881	341	8	**Penmon** - Gt. Brit.
881	341	5	**Towyn** - Gt. Britain
881	341	100	**Washford** - Gt. Brit.
881	341	0.25	**Wrexham** - Gt. Brit.
881	341		**Stavropol** - USSR
888	337.8	0.05	**Gmünd** - Austria
890	337.1	50	**Alger II** - Algeria
890	337.1	15/1	**Linz** - Austria
890	337.1	20	**Bergen I** - Norway
890	337.1	20	**Kristiansand** - Norw.
890	337.1	20	**Tröndelag** - Norway
890	337	20	**Dnjepropetrovsk** - USSR
895	335.0	2	**R. Teheran** - Iran
899	333.7	150	**Milano I** - Italy
908	330	140	**Brookmans Park** - Gt. Britain
912	328.9	20	**Berliner Rundfunk** - Germany D.R.
917	327.2	5	**R. Dersa I, Tetuan** - Sp. Morocco
917	327.1	135	**Ljubljana** - Yugosl.
917	327.9		**Makhachkala** - USSR
926	323.9	10	**Ivanovo** - USSR
~~926~~	324.0	150	**Bruxelles II** - Belg.
935	321.0	100	**R. Africa-Maghreb** - Tangier
935	321.0	100	**Lvov** - USSR
935	321.0	5	**Berlin AFN** - Germ.
944	318	100	**Toulouse I** - France
944	318	20	**Voronezh** - USSR
953	314.6	15	**R. Intercontinental, Madrid** - Spain
953	314.0	100	**Brno** - Czechoslov.
953	314.0	15	**Plzen** - Czechoslov.
962	312	100	**Turku I** - Finland
962	312	0.4	**Hof** - Germany
962	311.9	20/120	**Tunis II** - Tunesia
962	311.9	5	**Romainville** - France
971	309.0	5	**Göttingen (N.D.R.)** Germany
~~971~~	309.0	100	**Hamburg (N.D.R.)** Germany
971	309.0	100	**Langenberg (W.D.R.)** - Germ.
971	309	100	**Moscow** - USSR
980	306.0	2	**Alger I** - Algeria
980	306.0	2	**Assiut** - Egypt
980	306.1	2.5	**Trieste A** - Italy
980	306.1	150	**Göteborg** - Sweden
989	303.3	300/200	**Berlin RIAS** - Germ.
989	303	8	**R. Malaga** - Spain
998	301.0	8	**Heidelberg (SDR)** - Germany
998	301.0	0.2	**Buchen (S.D.R.)** - Germany
998	301.0	100	**Kichinev** - USSR
998	301.0	60	**R. Andorra**
1000	300.0	5	**Malaga** - Spain
1002	299.4	0.015	**Kufstein** - Austria
1006	298.2	1	**Salonika (FBS)** - Greece
~~1007~~	298	120	**Hilversum II** - Holl.
1016	295	70	**Rheinsender (SWF)** - Germany
1025	292.7	5	**R. Nacional** - Spain
1025	292.7	100	**Graz** - Austria
1025	292.7	100	**Linz** - Austria
1025	292.7	10	**Dornbirn** - Austria
1025	292.7	0.3	**F.B.S.** - Aden
1025	292.7	0.5	**Haifa** - Israel
1025	292.7	5	**R. San Sebastian** - Spain
1034	290.2	0.25	**3 st. AFN** - Germ.
1034	290.1	8	**Milano 2** - Italy
1034	290.1	5	**Napoli 2** - Italy
1034	290.1	1/2	**2 low power st.** - Italy
1034	290.1	2	**Genova 2** - Italy
1034	290	100	**Tallinn** - USSR
1034	290.1	4	**Parede** - Portugal
1034	290.1	1	**R. Hospitalet** - Spain
1038	289.1	0.045	**Mayerhofen** - Austr.
1043	287.6	20	**Rabat** - Fr. Morocco
1043	287.6	2	**Salonica** - Greece
~~1046~~	287.6	220	**R. D.D.R.** - Germ.
1052	285.0		**2 low power st.** - Austria
1052	285.0	2	**Barnstaple** - Gt. Britain
~~1052~~	285.0	120	**Start Point** - Gt. Britain
1052	285.1	5	**Bucuresti II** - Rumania
1052	285.0	1	**R. Tripoli** - Libya
1061	283	1	**Faro** - Portugal
1061	283	1	**Coimbra** - Portugal
1061	283	60	**Kalundborg II** - Denmark
1061	282.8	20	**Cagliari I** - Italy
1061	283	1	**Saransk** - USSR
1062	282.5	0.05	**Bleiburg** - Austria
~~1070~~	280	100/20	**Paris II Marseille II** - France
1070	280	100	**Krasnodar** - USSR
1079	278	10	**R. International** - Tangier
1079	297.8	2	**Minia** - Egypt
1079	278	2	**Bremerhaven** - Germ.
1079	278.0	50	**Stalinogrod** - Poland
1079	278.0	20	**R. D.D.R.** - Germ.
1088	275		**6 low lower st.** - Austria
1088	276	150	**Droitwich** - Gt. Brit.
1088	276	7.5	**Norwich** - Gt. Brit.
1088	275.7	0.2	**Korça** - Albania
1093	274.5	1	**Nicosia (FBS)** - Cyprus
~~1097~~	273.5	150	**Bratislava I** - Czechoslovakia
1106	271.2	100	**Stuttgart AFN** - Germany
1106	271	10	**Moghilev** - USSR
1115	269.1	1	**Aosta 2** - Italy
1115	269.1	40	**Bari 2** - Italy
1115	269.1	50	**Bologna 2** - Italy
1115	269.1	10	**Pisa 2** - Italy
1115	269.1		**Messina 2** - Italy
1115	269.1	0.25/1	**8 low power st.** - Norway
1123	267	3	**Barcelona** - Spain
1124	267	0.05	**Imst** - Austria
1124	266.9	100	**Moscow II** - USSR
1124	266.9	10	**Bruxelles IV** - Belg
1124	267	5	**Stalin** - Bulgaria
1124	266	100	**Leningrad** - USSR
1128	265.9	0.1	**Mürzzuschlag** - Austria
1128	266.0		**Pan American** - Tangier
1133	264.0	2.5	**R. Bilbao** - Spain
1133	264	135	**Zagreb I** - Yugosl.
1133	264.7	50	**Split** - Yugoslavia
1142	262.7	20	**Constantine I** - Algeria
1142	262.7	40	**Oran I** - Algeria
1142	262.7	0.25/1	**5 low power AFN st** - Germany
1142	262.7	0.05	**Zell am See** - Austria
1142	262.7		**Sohag** - Egypt
1142	263	20	**Kaliningrad** - USSR
1151	261	100	**Lisnagarvey** - Gr. Br.
1151	261	0.25	**Londonderry** - Gt. Br.
1151	261	100	**Stagshaw** - Gt. Brit.
1151	261	2	**Scarborough** - Gt. Britain
1151	260.9	20	**Oradea** - Rumania
~~1160~~	259	100	**Strasbourg I** - France
1169	256.6	117	**R. Renascenca** - Portugal
1169	257	6	**R. Capodistria** - Yugoslavia
1169	257.0	3	**Ulm-Jungingen (SDR)** - Germany
1169	257.0	8	**Heilbronn (SDR)** - Germany
1169	257.0	150	**Odessa** - USSR
~~1178~~	254.7	100	**Hörby** - Sweden
1178	254.5	10	**Cuenca** - Spain
1178	254.6	2	**Assouan** - Egypt
1182	253.8	0.1	**Bruck/Mur** - Austria
1186	253	0.06	**Megara** - Greece
1187	252.7	135	**Szabadsag** - Hungary
1190	252	1	**R. Leon** - Spain
1196	250	1	**Casablanca** - Fr. Morocco
1196	251	150	**Munich (VOA)** - Germany
1196	251	20	**R. D.D.R.** - Germ.
1200	250		**2 low power st.** - Spain
1205	249.0	0.05	**Hofgastein** - Austria
1205	248		**2 low power st.** - Spain
1205	249	100	**Bordeaux I** - France
1205	249	0.5	**Haifa** - Israel
1205	249		**Poznan** - Poland
~~1214~~	246	60	**Brookmanns Park** - Gt. Britain
1214	247	20	**Burghead** - Gt. Brit.
1214	246	10	**Lisnagarvey** - Gt. Britain
1214	246	58	**Moorside Edge** - Gt. Britain
1214	246	50	**Westerglen** - Gt. Britain
1214	246	0.3/2	**5 low power st.** - Gt. Britain
1214	246	20	**Tartu** - USSR
1219	246.1	0.1	**Judenburg** - Austria
1223	245.3	7	**Common freq** - Port.
1223	245.3	20	**Madrid** - Spain
1223	245	20	**Stara Zagora** - Bulgaria

kc/s	Metres	kW	Stations
1223	245.2	1	**Emissores Reunidos do Norte** - Port.
1223	245.3	100	**Falun** - Sweden
1232	243	50	**R. International** - Tangier
1232	243	100	**Kosice** - Czechoslov.
1232	243	1.5	**Orava** - Czeckosl.
1236	242.7	0.25	**R. Aden** - Aden
1241	242	20	**Vaasa** - Finland
~~1241~~	242	20	**Lille II** - France
1241	242	20	**Nancy II** - France
1241	242	20	**Pau** - France
1241	242	20	**Rennes II** - France
1241	242	20	**Lyon II** - France
1241	242	20	**Nice III** - France
~~1241~~	242	20	**Quimper I** - France
1241	242	10	**Odessa** - USSR
1241	242	100	**Tiraspol** - USSR
1250	240	5	**Dublin, Cork** - Eire
1250	240	5	**Nyiregyhaza** - Hungary
1250	240	0.2	**R. Blanes** - Spain
1250	246	6	**R. SEU** - Spain
1255	239	0.05	**Bischofshofen** - Austria
1255	239	1	**R. Avila** - Spain
1258	238	0.35	**R. Asturias** - Spain
1259	238.3	150	**Courier (VOA)** - Greece
1259	238.3	5	**R. Valencia** - Spain
1259	238.3	100	**Szczecin** - Poland
1268	236.6	100	**Novi Sad** - Yugosl.
1277	235	100	**Strasbourg II** - France
1277	235	1	**Tel Aviv** - Israel
~~1286~~	233	100	**Melnik** - Czechosl.
1286	233	2	**R. Renascenca** - Portugal
1295	232	100	**BBC European Serv. (Norden Osterl.)**
1300	230.7	1	**Athens FBS** - Greece
1300	230	1	**3 low power st.** - Spain
1300	230	2	**La Voz Alicante** - Spain
1304	230	20	**Constantine II** - Algeria
1304	230	40	**Oran II** - Algeria
1304	230.0	0.25/1	**5 low power st. AFN** Germany
1304	230.0	1	**Heidelberg AFN** - Germany
1304	230		**Lodz** - Poland
1313	228		**2 low power st.** - Austria
1313	228.1	100	**Stavanger** - Norway
1313	228.5	0.2	**R. Las Palmas** - Canary Isl.
1322	226.9	0.15	**Terceira** - Azores
1322	226.9	100	**Leipzig** - Germany Dem. Rep.
1322	226.9		**5 low power st.** - Spain
1325	226	0.1	**R. Chelva** - Spain
1331	225.4	20	**Bari I** - Italy
1331	225.4	25	**Bologna I** - Italy
1331	225.4	0.2	**Catania I** - Italy
1331	225.4	50	**Genova I** - Italy
1331	225.4		**Reggio C. 1** - Italy
1331	225.4	0.2	**Palermo I** - Italy
1331	225.4	25	**Pescara I** - Italy
1331	225.4	1	**Udine I** - Italy
1331	225.4	80	**Roma I** - Italy
1331	226	0.2	**R.Salamanca** - Spain
1336.5	224.6	1	**Haifa** - Israel
1340	224	150	**Crowborough** - Gt. Britain
1340	223.8	5	**3 syncr. st.** - Hung.
1344	223	0.2	**R. Olot** - Spain
1345	223	2	**Zaragoza** - Spain
1349	222	20/10	**Synchronized netw. 6 st.** - France
1349	222.4	20	**Madona** - USSR
1350	222	0.1	**Roda de Ter** - Spain
1358	220.9	50	**Tirana** - Albania
1358	221	20	**Bremen** - Germany
1367	219.5	0.25/1	**10 syncr. low power st.** - Italy
1367	219.5	5	**Milano III** - Italy
1367	219.5	5	**Roma III** - Italy
1367	219.5	5	**Torino III** - Italy
1367	219.5	5	**Venezia III** - Italy
1367	219.5	50	**Wroclaw** - Poland
1367	219.5	24	**Bydgoszcz** - Poland
1367	219.5	0.5	**Basel, Chur, Saviese, Sool** - Switzerland
1367	219	0.8	**3 low power st.** - Spain
1367	219.4	2	**Vizcaya** - Spain
1370	217	0.1	**Vendrell** - Spain
1376	218	100	**Lille I** - France
1376	218.0	0.25	**4 low power st.** - Spain
1383	216.6	1	**Valencia** - Spain
1385	217	150	**Kaunas** - USSR
1385	217	1	**R. Vittoria** - Spain
1390	215.8	1	**Jerusalem** - Israel
1394	215.2	0.25	**Graz** - Austria
1394	215.2	0.05	**Bad Ischl** - Austria
1394	215.2	0.25	**Bitburg AFN** - Germany
1394	215.2	5	**Rhodes** - Greece
1394	215.2	1.5/0.2	**11 low power st.** - Sweden
1398	214.5	1	**R. Cantabria** - Spain
1400	214.2	0.2	**Orihuela** - Spain
1403	213.8	0.35	**3 low power st.** - Spain
1403	214	10/20	**Montpellier, Bordeaux II, Louvetot, Nice II, Quimper II,** France
1403	213.8	5	**Comotini** - Greece
1406	213.4	0.05	**Maria Pfarr** - Austria
1408	213	5	**R. Oviedo** - Spain
1408	213	2	**Cadiz** - Spain
1408	213	0.4	**Costa Brava** - Spain
1412	212.4	3	**Bad Mergentheim (SDR)** - Germany
1412	212.5		**2 low power st.** - Spain
1412	212	5	**Maribor** - Yugosl.
1412	212	20	**Pristina** - Yugosl.
1412	212	15	**Rijeka** - Yugoslavia
1412	212	0.4	**R. Club Tenerife** - Canary Islands
1415	212	0.8	**R. Palencia** - Spain
1420	211	7.5	**Benghazi (F.B.S.)** - Libya
1421	211.2	0.1	**Athens III** - Greece
1421	211.2	5	**Alger III** - Algeria
1421	211.1	20	**R. Saarbrücken** - Saar
1425	210	0.2	**R. Utiel** - Spain
1425	210.5	0.05	**Radstadt** - Austria
1428	210.0	1	**R. Campo de Gibraltar** - Spain
1430	210	10	**Herstedvester** - Denmark
~~1430~~	210	70	**Skive** - Denmark
1435	210		**2 low power st.** - Spain
1439	208.5	1	**R. Mallorca** - Spain
~~1439~~	208	150	**R. Luxembourg II** -
1440	208		**3 low power st.** - Spain
1447	207.0	0.2	**R. Cordoba** - Spain
~~1448~~	207.2	5	**Ancona 2** - Italy
1448	207.2		**4 low power st.** - Italy
1448	207.2	5	**Catania 2** - Italy
1448	207.2	5	**Firenze 2** - Italy
1448	207.2	10	**Palermo 2** - Italy
1448	207.2	5	**Sanremo 2** - Italy
1448	207.2	20	**Torino 2** - Italy
1448	207.2	2	**Valladolid** - Spain
1448	207.2		**2 low power st.** - Spain
1448	207.2	9	**R. Castilla** - Spain
1448	207.1	1	**Granada** - Spain
1448	207.2	0.5	**Gävle** - Sweden
1448	207.2	1	**Hudiksvall** - Sweden
1448	207.2	2	**Västerås** - Sweden
1448	207.2	1	**Örnsköldsvik** - Sweden
1449	207.0	0.2	**R. España** - Spain
1450	207.0	1	**R. Jaen** - Spain
1457	206.0		**5 low power st.** - Austria
1457	206	2	**Redruth** - Gt. Brit.
1457	206	20	**Clevedon** - Gt. Brit.
1457	206	10	**Bartley** - Gt. Brit.
1457	206	2	**Brighton** - Gt. Brit.
1457	206	1	**Folkestone** - Gt. Brit.
1457	206	2	**Bexhill** - Gt. Brit.
1457	205.9	20	**Craiova** - Rumania
1457	205.9	0.2	**R. Vitoria** - Spain
~~1460~~	205	120	**Monte Carlo** - Monaco
1466	204.6	0.25	**Geilo** - Norway
1466	204.6	0.25	**Sandnessjöen** - Norway
1466	204.6	1	**Narvik** - Norway
1466	204.6	0.25	**Odda** - Norway
1466	204.6	0.25	**Porsgrunn** - Norw.
1466	204.6	0.25	**Svalbard** - Norway
1475	203.4		**3 low power st.** - Spain
1480	203	0.2	**R. Cullera** - Spain
1484	202.2	0.2	**Bone** - Algeria
1484	202.2	5	**Michelet** - Algeria
1484	202	2	**København** - Denm.
1484	202	0.25	**Aalborg** - Denmark
1484	202	0.25	**Tønder** - Denmark
1484	202	1	**Helsinki II** - Finl.
1484	202	1	**Pietarsaari** - Finl.
1484	202	1	**Pori** - Finland
1484	202	0.2	**Tammisaari** - Finl.
1484	202	1	**Tampere** - Finland
1484	202	0.2	**Turku II** - Finland
1484	202	0.05/1	**8 low power st.** - France
1484	202	2	**Barrow** - Gt. Britain
1484	202	2	**Ramsgate** - Gt. Brit.
1484	202.2	0.1	**Athens III** - Greece
1484	202.2	0.2	**Volos** - Greece
1484	202.2	5	**Freies Berlin** - Germany
1484	202.2	0.1	**Wertheim (S.D.R.)** - Germany
1484	202.2	0.25	**Keflavik (AFRS)** - Iceland
1484	202.2		**6 low power st.** - Italy
1484	202.1	1	**Madeira Isl.**
1484	202.2	0.025	**Mosjöen** - Norway
1484	202.2	0.25	**Rjukan** - Norway
1484	202.2	0.25	**Brönnöysund** - Norway
1484	202.2		**Gdansk** - Poland
1484	202.2		**Bucuresti** - Rumania
1484	202.2	0.4/2	**5 lower st. B. R.** - Germany
1484	202.2		**2 low power st.** - Spain
1484	202.5	5	**Vatican Radio** -
1484	202		**5 low power st.** - Yugoslavia
1484	202	2	**Usti nad Labem** - Czechoslovakia
1484	202	2	**Liberec** - Czechosl.
1484	202	2	**Hradec Kralove** - Czechoslovakia
1484	202	2	**Tatry, Zilina** - Czechosl.
1484	202.2	7.5	**Tripoli (FBS)** - Libya
1492	201.1		**16 low power st.** - Spain
1493	201		**7 low power st.** - Austria
1493	201	0.25/1	**5 low power st.** - France
1495	201.0	0.2	**R. Cadiz** - Spain

kc/s	Metres	kW	Stations
1495	200.5	0.005	**R. Altitude** - Port.
1498	200.3	0.015	**Bludenz** - Austria
1500	200	0.3	**R. Habbeniya (B.F.S.)** - Iraq
1500	200		**Isfahan** - Iran
1500	200		**Meshed** - Iran
1500	200	0.4	**Kurdestan** - Iran
1500	200	0.5	**Angmagssalik** - Greenland
1500	200		**14 low power st.** - Spain
1500	200	2	**Teruel** - Spain
1500	200	1	**Caceres** - Spain
1500	200	2	**Tudela** - Spain
1500	200	2	**Badajoz** - Spain
1500	200	2	**R. Atlantico** - Canary Islands
1502	199.7	0.25	**3 low power st. AFN** - Germany
1502	199.7		**Krakow** - Poland
1502	199.7	0.4	**Münster (W.D.R.)** - Germany
1502	199.7		**3 low power st.** - Spain
1511	198	0.8	**R. Soria** - Spain
1511	198.5	20	**Bruxelles III** - Belg.
1511	198.5	0.3	**Patras** - Greece
1511	198.5	5	**Chania** - Greece
1512	198.3	1	**Port Lyauteau (AFRS)** - Fr. Mor.
1520	197.4	5	**Ceske Budejovice** -
1520	197.4	15	**Karlovy Vary** - Czechoslovakia
1520	197.4	20	**Ostrava** - Czechosl.

kc/s	Metres	kW	Stations
1525	196.7	5	**R. Alerta** - Spain
1529	196.2	0.075	**Porjus** - Sweden
1529	196.2	0.06	**Söderhamn** - Sweden
1529	196.2	1.5	**Umeå** - Sweden
1529	196.2	100	**Vatican Radio**
1530	196	0.1	**R. Picasent** - Spain
1535	195.4	0.4	**R. Carlet** - Spain
~~1535~~	195	20	**Bad Dürrheim (SWF)** - Germany
~~1538~~	195	40	**Ravensburg (SWF)** Germany
1538	195	5	**Reutlingen (SWF)** Germany
1543	195	0.2	**R. Palencia** - Spain
1546	194	0.25/2	**13 syncr. low power st.** - Gt. Britain
1550	193.5		**2 low power st.** - Spain
1554	193	60	**Nice I** - France
1554	193	0.8	**R. Lerida** - Spain
1562	192	1	**Porto II** - Portugal
1562	192.1	2/0.25	**8 low power st.** - Sweden
1570	191.1	2	**Flensburg (N.D.R.)** Germany
1570	191.1	2	**Lingen (N.D.R.)** - Germany
1571	191	0.08	**Santa Maria** - Azores
1571	191	0.2	**R. Taragona** - Spain
1575	190	0.1	**R. Monovar** - Spain
1578	190.1	0.04	**36 low power st.** - Italy
1578	190.1	10	**Fredrikstad** - Norw.
1579	190	0.2	**R. Taragona** - Spain

kc/s	Metres	kW	Stations
~~1586~~	189.1	5	**Kiel - (N.D.R.)** - Germany
1586	189.1	20	**Hannover (N.D.R.)** Germany
1586	189.1	5	**Osnabrück (N.D.R.)** Germany
1586	189.1	5	**Bonn (W.D.R.)** - Germany
1586	189.1	40	**Oldenburg (N.D.R.)** Germany
1586	189.1	0.4	**Kleve W.D.R.** Germ.
1594	188.2	0.6	**Bongie** - Algeria
1594	188	2	**Esbjerg** - Denmark
1594	188	0.2	**Karjaa** - Finland
1594	188	0.05/2	**2 low power st.** - France
1594	188	2.5	**Hoogezand** - Holland
1594	188	2.5	**Hengelo** - Holland
1594	188	2.5	**Hulzberg** - Holland
1594	188	1	**Common frequency** Portugal
1594	188	0.1	**4 AFRS st.** - French Morocco
~~1602~~	187	20/40	**Nürnberg (B. R.)** - Germany
1602	187	0.4	**Hof (B. R.)** - Germ.
1602	187	20	**Landau (B. R.)** - Germany
1602	187	20	**Kirchhelm (B. R.)** - Germany
1625	181	0.01	**Zweibrücken (Canadian Forces Network)** - Germany
1875	160	0.1	**R. Berja** - Spain

SHORT WAVE STATIONS OF THE WORLD

kc/s	m	kW	Call	Stations and countries	Rem.
2115	120	1		R. Douala, Cameroon	
2200	136.4	1	YDB	Djakarta, Indonesia	
2240	133.9	1	YDB	Djakarta, Indonesia	
2320	129.3			Sibolga, Indonesia	
2330	128.5	0.3	YDI6	Djember, Indonesia	
2340	128.2	0.5	ZYV30	R. Dif. Brazileira, Brazil	
2350	127.5	7.5		Dacca, Pakistan	
	127.5	0.1	YDJ3	Jogjakarta, Indonesia	
2360	126.9	1	YVRA	R. Monagas, Venezuela	
2370	126.5	0.25	YDI3	Surabaya, Indonesia	
2390	125.5	0.1	YDN	Kotaradja, Indonesia	
	125.5	0.3	YDA4	Tjirebon, Indonesia	
2400	125.0	1		Lahore, Pakistan	
2420	124.0	10/50		Karachi, Pakistan	
	124.0	0.25	YDA2	Bandung, Indonesia	
	124.0	0.5	ZYJ3	R. Cajara de Anapolis, Brazil	
2430	123.5	1	YDK2	Palembang, Indonesia	
2440	122.9	0.5		R.Club de Pouso Alegre, Brazil	
	122.9	1	YDG2	Surakarta, Indonesia	
	122.9	1	HI3C	La Romana, Dom. Rep.	
	122.9	1	YVLG	R. Girardot, Venezuela	
2442	122.7	0.5	4XB51	Tel Aviv, Israel	
2446	122.6	1	YDB	Djakarta, Indonesia	
2450	122.5	0.5		R. Cult. de Aracatuba, Brazil	
2459	122.0	1		Douala, Cameroon	
2460	122.0	0.15	YDR2	Ternate, Indonesia	
	122.0	1	YDB	Djakarta, Indonesia	
2470	121.5	1	YVMU	R. Carora, Venezuela	
2480	120.9	0.5	ZYR60	R. Cult. de Araraquara, Brazil	
	120.9	0.3	YDL2	Padang, Indonesia	
	120.9	2.5	YVMK	R. Cabinas, Venezuela	
2490	120.5	0.15	YDH	Semarang, Indonesia	
	120.5	0.25	YDP2	Medan, Indonesia	
2500	120.0	0.5	MSF	Teddington, Gt. Britain	
	120.0	0.7	WWV	Washington, USA	
2510	119.5	10	HLKA	Seoul, S. Korea	
3205	93.60	10	YDA	Bandung, Indonesia	
	93.60	5	FIQA	Tananarive, Madagascar	
	93.60	25		Simla, India	
3214	93.34	1	YDS	Menado, Indonesia	
3220	93.18	3.5	BED29	Taipei, Taiwan	

kc/s	m	kW	Call	Stations and countries	Rem.
3222	93.11	7.5	CR7BM	R. Clube de Mozambique	
3223	93.09			Tdj. Pinang, Indonesia	
3232	92.82	0.3	YDM	Bukittingi, Indonesia	
	92.82	1.5		R. AEF, French Equat. Afr.	
3241	92.56	0.2	2AP	Apia, W. Samoa	
	92.56	0.15	YDU2	Denpasar, Indonesia	
3245	92.44	5/100	VUD	AIR, Delhi, India	
	92.44	0.5	HI12	Broadc. Nacional, Dom. R.	
	92.44	1	YVKT	R. Libertador, Venezuela	
3250	92.31	5/100	VUD	AIR, Delhi, India	
	92.31	10	HJGO	R. Sutatenza, Colombia	
	92.31	5/100	VUD	AIR, Delhi, India	
	92.31	1	YDO	Bandjarmasin, Indonesia	
3251	92.28	0.25		Dar-es-Salaam, Tanganyika	
3255	92.15	0.5	ZYR62	R. Clube de Marilia, Brazil	
	92.15	2	ZFY	R. Demarara, Br. Guiana	
	92.15	0.04		R. Montserrat, Leeward Isl.	
	92.15	0.85	YVQL	La Voz de El Tigre, Venez.	
3259	92.05	1	YDH2	Semarang, Indonesia	
3265	91.88	1	ZYK21	R. Tamandare, Brazil	
	91.88	1	YVOC	Ecos del Torbes, Venezuela	
3275	91.60	1	ZYR31	Bauru R. Clube, Brazil	
	91.60	0.5	VP4RD	R. Trinidad, Trinidad	
	91.60	0.7	YVMC	R. Mara, Venezuela	
3277	91.55	1	YDD	Djakarta, Indonesia	
	91.55	0.3	DYB4	Dumaguete City, Philipp.	
	91.55	1		Shrinagar, Kashmir	
	91.38	1	YVLE	R. Puerto Cabello, Venezuela	
3285	91.32	1	HI7T	La Voz Dominicana, Dom. R.	
	91.30	1	ZYR44	R. Aparecida, Brazil	
3286	91.29	3	YDG6	Madiun, Indonesia	
3290	91.19			Johannesburg, S. Africa	
3295	91.00	5/100	VUD	AIR, Delhi, India	
	91.00	0.15		Samarinda, Indonesia	
	91.00	1	YVOG	R. Trujillo, Venezuela	
3297	91.00	16		Baghdad, Iraq	
3300	90.85	5	VPN	Belize, Honduras (Br.)	
3305	90.77	1		R. Esperanca, Brazil	
	90.77	0.25/10	VUC	AIR, Calcutta, India	
	90.77	1	YDG	Surakarta, Indonesia	
	90.77	2	YVKX	La Voz de la Patria, Venez.	

kc/s	m	kW	Call	Stations and countries	Rem.
3315	90.50	2.5	VQ7LO	Nairobi, Kenya	
	90.50	1.2	YVLI	R. Maracay, Venezuela	
3325	90.23	7.5		Dacca, Pakistan	
	90.23	0.25	YDQ	Makassar, Indonesia	
	90.23	1	ZYJ21	R. Borborema, Brazil	
	90.23	0.25	HCIGB	R. Nac. Espejo Otav., Ecuad.	
	90.23	0.25	YVQG	R. Carupano, Venezuela	
3326	90.20	7.5		Kaduna, Nigeria	
3330	90.09	0.3	CHU	Dominion Observat., Canada	
3335	89.96	0.5	ZYR59	A Voz do Sertao, Brazil	
	89.96	10/50		Karachi, Pakistan	
	89.96	1		Lahore, Pakistan	
	89.96	0.09	TGZB	R. Oriental, Guatemala	
	89.96	7.5	YVQN	R. Portenas, Venezuela	
3345	89.69	0.2	HI2S	Onda Musical, Dom. Rep.	
	89.69	1	ZYN22	R. Cultura de Bahia, Brzail	
	89.69	2.7	YVKP	R. Tropical, Venezuela	
	89.69	2	DZB2	"The Call of Orient", Phil.	
3346	89.62	2.5	ZQP	Lusaka, N. Rhodesia	
3350	89.50	1	FIQA	R. Tananarive, Madagascar	
	89.50	0.3	OAX5J	R. Independencia, Peru	
3355	89.42	1		R. Noumea, N. Caledonia	
	89.42	1	YDI	Surabaya, Indonesia	
	89.42	1	YVLD	R. Valencia, Venezuela	
	89.42	0.5	HI3H	LaVoz de laAlegria,Dom.Rep.	
3356	89.39			Johannesburg, S. Africa	
3360	89.25	5	ZQI	Kingston, Jamaica	
3365	89.15	5/100	VUD	AIR, Delhi, India	
	89.15	0.5		R. Dif. Parana, Brazil	
3370	89.02			Johannesburg, S. Africa	
3375	88.79	0.5	HI4V	LaVoz del Sur, Dominican R.	
	88.79	1	YDW	Pontianak, Indonesia	
	88.79	0.5	YVMI	La Voz de la Fé, Venezuela	
3380	88.76	1.5		St. Denis, Reunion	
3385	88.63	0.5	HI5B	Santiago, Dom. Rep.	
	88.63	1	ZYA41	R. Eldorado, Brazil	
	88.63	0.25		Colombo, Ceylon	
	88.63	1	YVQI	Emis. Unidas, Venezuela	
3390	88.50	0.25	OQ2AC	R. College, Belg. Congo	
3395	88.37	10	YDR3	Ambon, Indonesia	
	88.37	1		Lahore, Pakistan	
	88.37	10/50		Karachi, Pakistan	
	88.37	1.5	YVOG	R. Universidad, Venezuela	
3396	88.36	7.5		Salisbury, S. Rhodesia	
3420	87.72	0.75	CR6RK	R. Clube do Sul, Angola	
3425	87.59	5	CR8AB	R. Goa, Port. India	
3435	87.34	5/100	VUD	AIR, Delhi, India	
3440	87.21	7.5	CR7BM	R. Clube de Mozambique	
3495	85.94	5/100	VUD	AIR, Delhi, India	
3510	85.44	0.2	HC2NL	La Voz del Campesino, Ecu.	
3521	85.23	0.6		Niassa, Mosambique	
3750	80.00	7.5	EQO	R. Tehran, Iran	
3800	78.95	0.25		Tokyo (FEN), Japan	
3860	77.80			Cape Town, S. Africa	
3905	76.83	5/100	VUD	AIR, Delhi, India	
3915	76.64	10/50		Karachi, Pakistan	
	76.64	1		Lahore, Pakistan	
	76.64			Peking, China	
3925	76.42	5	JOZ	Tokyo, Japan	
	76.42	5/100	VUD	AIR, Delhi, India	
3935	76.24	5/100	VUD	AIR, Delhi, India	
	76.24	7.5	YDB4	Djakarta, Indonesia	
3940	76.20	2.5	ZBW3	R. Hong Kong, Hong Kong	
3945	76.05	1	YDH2	Semarang, Indonesia	
	76.05	5/100	VUD	AIR, Delh i,India	
	76.05	0.25/10	VUB	AIR, Bombay, India	
	76.05	7.5	DZB3	Manila, Philippines	
3950	75.95	5/100	VUD	AIR, Delhi, India	
	75.95	0.3	DXH2	Davao City, Philippenes	
3952	75.90	15/100	MCM	BBC, London, Gr. Britain	
3955	75.85	5/25/50/100		Vatican, City Italy	
	75.85	7.5		Dacca, Pakistan	
	75.85	10/50		Karachi, Pakistan	
	75.85	0.3	HC5LR	La Voz de Alausi, Ecuador	
3960	75.76	0.08	CR4AB	Radio Clube Mindelo, Cap Verde Islands	
	75.76			Peking, China	
	75.76	3		Djeddah, Saudi Arabia	
	75.76	2	EQO	Tehran, Iran	
	75.76	10/100		R. Free Europe, Germany	
	75.76	0.2	HC2JJ	E. Ecos el Agro, Ecuador	
3965	75.67	2.5		Enugu, Nigeria	
	75.67	10/50		Dacca, Pakistan	
3970	75.57	5/100	VUD	AIR, Delhi, India	
	75.57			Magadan, USSR	
	75.57	0.4		Osterloog (N.D.R.), Germ.	
3975	75.48	1	CQM	Emis. da Guiné, Bissau, P. Guinea	
	75.48	15/100	GRC	BBC, London, Gr. Britain	
3980	75.38	2	VRH4	Suva, Fiji Islands	
	75.38	8/100		VOA, Germany	
	75.38	5	YDI2	Surabaya, Indonesia	
	75.38	35/100		VOA, Tangier	
	75.38	5/100		AIR, Delhi, India	
3990	75.19	5/100	VUD	AIR, Delhi, India	
	75.19	20		R. Liberation, Germany	
	75.19	3		Djeddah, Saudi Arabia	
3995	75.04			RAI Rome, Italy	
	75.04	1		Ibadan, Nigeria	
4000	75.00	0.25	HC5AO	La Voz del Tomebamba, Ecuador	
4049	74.09	1		Frunze, USSR	
4273	70.20	20		Khabarovsk, USSR	
4290	69.63	5	COX7	Min. de Educacion, Habana, Cuba	
4310	69.61			Chimkent, USSR	
4340	69.06	15		Alma Ata, U.S.S.R.	
4364	69.03	2		Nikolajevsk, USSR	
4465	67.19	15/100		Moscow, USSR	
4550	66.23	15/100		Moscow, USSR	
4581	65.48	20		Khabarovsk, USSR	
4634	64.74	15/100		Moscow, USSR	
4675	64.17	15/100		Moscow, USSR	
4732	63.30			Yuzno Sahkalinsk, USSR	
				4750–5060 kc/s–60 metre band.	
4750	63.15	0.25	HC5HM	R. Hermig, Ecuador	
	63.15	0.35	PZH5	Paramaribo, Surinam	
4755	63.09	0.3	HC6LJ	Voz de Bolivar, Ecuador	
	63.09	1/0.5	ZYY3	R. Brazil, Brazil	
	63.09			Bangkok, Thailand	
4760	63.03	5/100	VUD	AIR, Delhi, India	
	63.03	25		Simla, India	
	63.03	0.25	YVKV	Emis. Vargas, Venezuela	
	63.03	0.25	HC4FA	Voz de Manabi, Ecuador	
4765	62.97	5	HJEL	R. Dif. de Occidente,Colombia	
4770	62.89	0.5	BED33	Taipei, Taiwan	
	62.89	1	CR6RG	R. Diamang, Angola	
	62.89	0.2	HC4MX	R. Cenit, Portoviejo	
	62.89	1	YVMW	Ondas del Caribe, Venezuela	
4774	62.83	7.5		Rangoon, Burma	
4775	62.84	5	ZYR81	R. Progresso, Brazil	
4780	62.76	5	ZHL7	Singapore, Malaya	
	62.76	1	YVLA	Voz de Carabobo, Venezuela	
	62.76	0.2	HC4DF	Voz de Chone, Ecuador	
	62.76	0.2	HC1LC	R. Atahualpa, Ecuador	
	62.76	2.5		Pusan, Korea	
4785	62.70	5	HJAB	Emis. Unidas, Colombia	
	62.70	0.5	ZYM8	R. Ribamar, Brazil	
	62.70	1	ZYY20	R. Dif. do Guapore, Brazil	
	62.70	11		Lahore, Pakistan	
4789	62.65	0.25	HC4AS	Voz de los Caras, Ecuador	
4790	62.63	1	YVQC	Ecos del Orinoco, Venezuela	
4795	62.57	0.25		R. Zanzibar	
	62.57	0.75	HJFU	Voz del Comercio, Colombia	
	62.57	1		R. Clube de Piaui, Brazil	
4800	62.50	0.3/10		Lagos, Nigeria	
	62.50	1	YSDR	R. Tropical, Salvador	
	62.50			AIR Mysore, India	
	62.50			Johannesburg, S. Africa	
	62.50	7.5	YVME	Ondas del Lago, Venezuela	
	62.50	0.3	HC4HV	Voz de Jipijapa, Ecuador	
4805	62.43	5	ZYS8	R. Difusora do Amazonas, Brazil	
4806	62.42	1	CR6AA	R. Lobito, Angola	
4807	62.40	50/100		Karachi, Pakistan	
	62.40	7.5		Dacca, Pakistan	
	62.40	1	CR5SC	R. Clube de Sao Tomé, Port W. Africa	
4810	62.37	1	YVMG	R. Popular, Venezuela	
	62.37	0.25	HC3RC	R. Coro Santa Cecilia, Ecu.	
4815	62.34	0.75	HJBB	Voz de Cucuta, Colombia	
	62.34	0.25	HC4DC	R. Cenit, Manta, Ecuador	
4820	62.24	5	ZHL10	Singapore, Malaya	
	62.24	1.5		St. Denis, Reunion	
	62.24	1	YVNB	Ondas de los Medanos,Venez.	
	62.24	0.2	XEJG	Gobierno de Jalisco, Mexico	
4825	62.18	0.5	ZYE	R. Educ. de Parnaiba, Brazil	
	62.18	1	HJHC	R. Nariño, Colombia	
	62.18	5/25		R. France Asie, Viet-Nam	
4826	62.16	15	ZQP	R. Lusaka, N. Rhodesia	
4829	62.11	10	CR7BV	R. Clube de Mozamb. Moz.	

kc/s	m	kW	Call	Stations and countries	Rem.
4830	62.10	5	YVOA	Voz del Tachira, Venezuela	
	62.10	0.2	HC6GB	R. Nac. Espejo, Ecuador	
4805	62.05	0.5	ZYV37	R. Soc. Triangulo Mineiro, Brazil	
	62.05	1	HJKE	R. Continental, Colombia	
	62.05	10	ELWA	Monrovia, Liberia	
8840	61.98	0.25/10	VUB	AIR, Bombay, India	
	61.98	1.5	YVOI	R. Valera, Venezuela	
4842	61.96	0.2	CR6RO	Silva Porto, Angola	
4845	61.92	1	ZYW8	R. Difusora de Teresina, Br.	
	61.92	1	HJGF	R. Bucaramanga, Colombia	
4850	61.86	3	YVMS	R. Universo, Venezuela	
	61.86	0.25	HC3CV	Ond. del Zamora, Ecuador	
	61.86	1	YDU	Denpasar, Indonesia	
4852	61.84	1	CR6RD	Nova Lisboa, Angola	
4855	61.79	0.25	CP39	R. Cobija, Bolivia	
	61.79	1	ZYR61	R. Dif. de Taubaté, Brazil	
	61.79	1	HJFV	R. Neiva, Colombia	
	61.79	10	YDK	Palembang, Indonesia	
4860	61.73	0.25	HI5C	La Voz del Progreso, D. Rep.	
	61.73	5/100	VUD	AIR, Delhi, India	
	61.73	1		Shrinagar, Kashmir	
	61.73	1	YVPA	R. Yaracay, Venezuela	
4865	61.66	1	CSA97	Ponta Delgada, Azores	
	61.66	2	PRC5	R. Clube do Para, Brazil	
	61.66	0.75	HJEV	Voz de Pereira, Colombia	
	61.66	1	YDR	Ambon, Indonesia	
4869	61.60	1	CR6RN	R. Club de Angola, Angola	
4870	61.60	7.5		Colombo, Ceylon	
	61.60	5/100	VUD	AIR, Delhi, India	
	61.60	0.5	HC1MI	R. Gran Colombia, Ecuador	
	61.60	0.25	HC4DR	R. Miramar, Ecuador	
4875	61.54	2.5	HJBG	La Voz del Norte, Colombia	
	61.54	0.25	HS1JS	Bangkok, Thailand	
	61.54	0.45	CR7IC	Beira, Mozambique	
4880	61.48	5/100	VUD	AIR, Delhi, India	
	61.48	0.25/10	VUC	AIR, Calcutta, India	
	61.48	0.3	HC1GB	R. Nac. Espejo, Ecuador	
	61.48	7.5	YVKF	Ond. Populares, Venezuela	
4885	61.41	1		R. Dif. Acreana, Brazil	
	61.41	6	VQ7LO	Nairobi, Kenya	
	61.41	0.5	ZYV50	R. Cultura de Pocos de Caldas, Brazil	
4890	61.35	10	YVKB	R. Dif. Venezuela	
	61.35	15/100		Moscow, USSR	
4893	61.32	4		Dakar Federal, Sénégal	
4895	61.29	2.5	PRF6	R. Baré, Brazil	
	61.29	5	HJCH	Voz de la Victor, Colombia	
	61.29			Johannesburg, S. Africa	
	61.29	10/50		Karachi, Pakistan	
	61.29			Cape Town, S. Africa	
4897	61.25	10	VLX4	Perth, Australia	
4900	61.22	0.25	VPO	Belize, Br. Honduras	
	61.22	7.5		Colombo, Ceylon	
	61.22	0.25	HC1IM	La Voz de Imbabura, Ecu.	
	61.22	1	YVQE	R. Bolivar, Venezuela	
	61.22	1		R. Cotonou, Dahomey	
4905	61.16	5	ZYZ20	R. Relogio Fed., Brazil	
	61.16	1	HJAG	Emisora Atlantico, Colombia	
4907	61.12	0.2		Siemrap, Cambodia	
4910	61.10	0.3	YDB2	Djakarta, Indonesia	
	61.10	5	JKI	Tokyo, Japan	
	61.10	0.5	HI9B	Santiago, Dom. Rep.	
	61.10	0.2	HC1AR	Voz de Montúfar, Ecuador	
	61.10	10/50		Karachi, Pakistan	
4911	61.08	7.5	CR7BU	R. Club de Mozambique, M.	
4915	61.04	1	HJEQ	Voz de Cauca, Colombia	
	61.04	1.5	ZYE	R. Dif. de Macapa, Brazil	
4915	61.04	5	ZOY	Accra, Gold Coast	
4920	60.98	0.2	HC2MD	La Voz de la Peninsula, Ecu.	
	60.98	0.2	HC6JX	R. Cultur. Relig., Ecuador	
	60.98	10	VLM4	Brisbane, Australia	
	60.98	0.25/10	VUM	AIR, Madras, India	
	60.98	10	YVKR	R. Caracas, Venezuela	
4925	60.90	1	ZYA36	R. Industr. de Juiz de Fora, Brazil	
	60.90	1	HJAR	R. Colonial, Colombia	
4930	60.85	7.5		Forces Broadcasting Station No. 5, Benghazi, Libya	
	60.85	5/100	VUD	AIR Delhi, India	
	60.85	7.5	YDP	Medan, Indonesia	
	60.85	1	HC1RC	R. Casa de la Cultura, Ecu.	
4934	60.80	6		Kenya Broadcasting Service,	
4935	60.79	10/50		Karachi, Pakistan	
	60.79	1	ZYI21	R. Poti, Brazil	
	60.79	1	HJFR	Ondas de Ibaque, Colombia	
4940	60.73	5/100	VUD	AIR, Delhi, India	
	60.73	2	YVMO	R. Occidental, Venezuela	
4943	60.70	7.5		Colombo, Ceylon	
4945	60.67	0.25	HC1RQ	R. Quito, Ecuador	
	60.67	1	HJCW	Emis. Sur America, Colomb.	
	60.67	0.25	YDA3	Bandung, Indonesia	
	60.67			Johannesburg, S. Africa	
	60.67	5		R. Abidjan, Ivory Coast	
4948	6064	1	HJAP	R. Colonial, Colombia	
4950	60.60	5	ZQI	Kingston, Jamaica	
	60.60	1	YVMM	R. Coro, Venezuela	
4955	60.54	2	PRE7	R. Cultura de Campos, Brazil	
	60.54	10	HJCQ	R. Nacional, Colombia	
4956	60.51	1		Blagoveshchensk, USSR	
4958	60.50	2		Baku, USSR	
4960	60.48	5/100	VUD	AIR, Delhi, India	
	60.48	1	YVQA	R. Sucre, Venezuela	
	60.48	0.25	HC5HP	Ondas Ecuatorianas, Ecuador	
4965	60.42	7.5		Colombo, Ceylon	
	60.42	1	ZYP20	R. Mapinguari, Brazil	
	60.42	1	HJAE	Emis. Fuentes, Colombia	
4970	60.36	7.5	YVLK	R. Rumbos, Venezuela	
4975	60.30	2.5	ZYY9	R. Timbira, Brazil	
4978	60.27	4		R. Mogadiscio, Ital. Somalil.	
4980	60.25	0.25	OQ2AC	R. College, Belgian Congo	
	60.25	0.25	HI3K	Ondas del Yaque, Dom. R.	
	60.25	0.25	HC5JE	Ondas Azuayas, Ecuador	
4985	60.18	0.5	ZYZ5	A Voz do Oeste, Brazil	
	60.18	1	YDN2	Kotaradja, Indonesia	
	60.18	0.25		Mombasa (KBS), Kenya	
4990	60.12	0.1	ZCQ3	Victoria, Seychelles	
	60.12	15	YVMQ	R. Barquisimeto, Venezuela	
	60.12	0.2	HC1OB	Ondas Azules, Ecuador	
	60.12	5/100		AIR, Delhi, India	
4995	60.06	10		Petrozavodsk, USSR	
	60.06	1	ZYY2	R. Brazil Centr., Brazil	
5000	60.00	0.5	MSF	Teddington, Gr. Britain	
	60.00	2	WWVH	Puunene, Hawaii	
	60.00	1		Kuwait, Kuwait	
	60.00	8	WWV	Washington, USA	
	60.00			Yuzno Sahkalinsk, USSR	
5010	59.88	0.5	BED24	Taipei, Taiwan	
	59.88	7.5		F.B.S. Singapore, Malaya	
5015	59.82	0.25	HC1RP	R. Católica, Ecuador	
	59.82	0.25	HC2BK	R. El Mundo, Ecuador	
	59.82	0.2	HC5CB	La Voz de Asoguez, Ecuador	
	59.82	5		Vladivostock, USSR	
	59.82	10	PRH8	Fundacao R. Maua, Brazil	
5020	59.76	1	HJFW	Transm. Caldas, Colombia	
	59.76	5	HJCX	La Voz de Colombia, Colom.	
	59.76	1		Colombo, Ceylon	
5024	59.71	0.4	CR6RJ	Sa da Bandeira, Angola	
5025	59.70	0.25	HC5AL	R. Nueva Austral, Ecuador	
5026	59.69	10		Kampala, Uganda	
5030	59.64	0.2	HI8Z	R. Santiago, Dom. Rep.	
	59.64	0.4	4VGS	R. Independance, Haiti	
	5964	1	YDM2	Bukittingi, Indonesia	
	59.64	7.5	YVKM	R. Continente, Venezuela	
5033	59.59	1	CR6AA	R. Lobito, Angola	
5034	59.59	0.25		Nairobi (FBS), Kenya	
5035	59.58	7.5		Dacca, Pakistan	
	59.58	0.3		Ibadan, Nigeria	
5040	59.52	2		Tbilisi, USSR	
	59.52	0.225	4VPM	Port-de-Paix, Haiti	
	59.52	0.5	YVMB	R. Ecos del Zulia, Venezuela	
5042	59.48	1	CR6RF	R. Club de Benguela, Angola	
5045	59.46	0.2	HC5ET	R. Roxi, Ecuador	
	59.46	5	ZYP23	R. Quitandinha, Brazil	
	59.46	1	COCW	Circuito Nac. Cubano, Cuba	
	59.46	1	YNAV	R. Continental, Nicaragua	
	59.46	5	R.O.N.G.	Hollandia, N. Guinea	
	59.46	0.075	YNRL	La "V" de la Victoria, Nicaragua	
5050	59.41	20		Dar-es-Salaam, Tanganyika	
	59.41	0.35		R. Rarotonga, Cook Islands	
	59.41	50		Petropavlovsk, USSR	
	59.41	5	YVKE	R. Cultura, Venezuela	
5052	59.39	5		Kuching, Sarawak	
5055	59.36	0.5	HI2L	Voz del Tropico, Dom. Rep.	
	59.36	5	HJDW	Voz de Medellin, Colombia	
5060	59.29	7.5	YDJ	Jogjakarta, Indonesia	
	59.29	1.5	4VDP	R. Independance, Haiti	
	59.29	1		Frunze, USSR	
5065	59.23	15/100		Moscow, USSR	
5075	59.13	25	HJKH	Accion Cult. Pop., Colombia	
5080	59.06	10/20		Moscow, USSR	

kc/s	m	kW	Call	Stations and countries	Rem.
5150	58.25	1		Guryev, USSR	
5175	57.97	15/100		Moscow, USSR	
5195	57.75	0.3	HC6JT	R. Continental, Ecuador	
5225	57.42			Novosibirsk, USSR	
5230	57.35	2		Nicolajevsk, USSR	
5260	57.03	10/20		Moscow, USSR	
5305	56.54			Taldy Kurgan, USSR	
5310	56.50			Dzhambul, USSR	
5380	55.76	10/20		Moscow, USSR	
5450	55.04			Samarkand, USSR	
5455	54.98	15/100		Moscow, USSR	
5470	54.84	0.25		Frankfurt (AFN), Germany	
5480	54.64	15/100		Moscow, USSR	
5485	54.6			Molotov, USSR	
5710	52.54			Krasnoyarsk, U.S.S.R.	
5740	52.26	5		Erivan, U.S.S.R.	
5750	52.18	0.5	CE8AA	R. Soc. Nac. de Agricult., Chile	
5752	52.14	0.35	PZH5	Paramaribo, Surinam	
5780	51.90	1	CMA5	Cuban Tr. atl. R. Corp., Cuba	
5830	51.46			Magadan, USSR	
5860	51.19	15		Alma Ata, USSR	
5875	51.08	1	HRN	La Voz de Honduras, Hond.	
	51.08	1	TIGPH	Alma Tica, Costa Rica	
5895	50.90	0.4	CR4AA	R. Cl. Cabo Verde, Cap Verde Islands	
5900	50.84	0.25	ZNB	Mafeking, Bechuanaland	
	50.84	0.15	4VPL	Petionville Br. Syst., Haiti	
	50.84	15		Alma Ata, USSR	
5910	50.76			Krasnoyarsk, USSR	
5912	50.74	15/100		Moscow, USSR	
5919	50.68	15/100		Moscow, USSR	
5925	50.63	0.5	OAX4V	R. America, Peru	
5930	50.59	15/100		Moscow, USSR	
5940	50.51	20		Khabarovsk, USSR	
	50.51	15/100		Moscow, USSR	
		5950 – 6200 kcs – 49 meter band			
5950	50.42	1	4V2S	R. Port au Prince, Haiti	
	50.42	3.5	BEC22	Taipei, Taiwan	
5952	50.40	5	TGNA	R. Cultural, Guatemala	
5955	50.38	100		Allouis, France	
	50.38	3	ZPA1	R. Nacional, Paraguay	
	50.38	0.2	HC1GT	R. Ondas Nacionales, Ecuador	
	50.38	7.5/100		Warsaw, Poland	
	50.38	7.5	ZYR76	R. Gazeta, Brazil	
	50.38	15/100		Moscow, USSR	
	50.38	0.5	HRVW3	Voz de Centro Amer., Hond.	
5960	50.34	100	CSA206	R. Nacional, Portugal	
	50.34	25		Dakar, Senegal	
	50.34	50/60/100		R. Roma, Italy	
	50.34	5/100	VUD	AIR Delhi, India	
	50.34	15/100		Moscow, USSR	
	50.34			Peking, China	
	50.34	10/100		R. Free Europe, Germany	
	50.34	0.25	HC1FM	R. Equinoccial, Ecuador	
	50.34	0.5	BEC38	Taipei, Taiwan	
	50.34	0.6	HOL21	R. Hogar, Panama	
	50.34	5	HCJF	Voz de Bogota, Colombia	
	50.34	0.3	TGAR	R. Quetzal, Guatemala	
5965	50.28	100		Allouis, France	
	50.28	0.6	YNWW	R. Sport, Nicaragua	
	50.28	7.5		R. Guaiba, Brazil	
	50.28	0.25	HC5GE	R. Mundial, Ecuador	
	50.28	0.5	HRQX	La Voz del Pueblo, Honduras	
	50.28	15/100		Moscow, USSR	
5968	50.27	5/25/50/100		Vatican City, Italy	
	50.27			Peking, China	
	50.27	1		Rabat, Fr. Marocco	
5970	50.25	50	CKNA	R. Canada, Canada	
	50.25	5/25		R. France Asie, Vietnam	
	50.25	15/100		Moscow, USSR	
	50.25	0.3	CBNX	St. John's, Canada	
	50.25	7.5	HI4T	La Voz Dominicana, Dom. R.	
	50.25	10/100		R. Free Europe, Germany	
	50.25	1	YDO2	Bandjarmasin, Indonesia	
	50.25	0.2	HCIJM	R. Tulcán, Ecuador	
	50.25	5/100	VUD	AIR Delhi, India	
	50.25	10	OBX4Q	R. El Sol, Peru	
	50.25	3		R. Brazzaville (R. AEF), French Equatorial Africa	
	50.25			Magadan, U.S.S.R.	
5972	50.23	25		R. Andorra, Andorra	
5975	50.21	0.25	YSWW	Voz del Pueblo, El Salvador	
5975	50.21	10	CP5	Emisora del Estado, Bolivia	
	50.21	15/100	MCP	BBC, London, Gt. Britain	
	50.21	5/25		R. France Asie, Vietnam	
	50.21	7.5/100		Warsaw, Poland	
	50.21	0.4	HC3CD	R. Dif. Fátima, Ecuador	
	50.21	3		Djeddad, Saudi Arabia	
	50.21	5/100		AIR, Delhi, India	
	50.21	7.5		R. Clube do Piañi, Brazil	
5976	50.20	100	CSA78	R. Nacional, Portugal	
5980	50.17	5/100	VUD	AIR Delhi, India	
	50.17	10/50		Karachi, Pakistan	
	50.17	5	HJDY	R. Libertad, Colombia	
	50.17	0.3	HC6RT	R. Paz y Bien, Ecuador	
	50.17	4		Bucuresti, Rumania	
	50.17	2		Yakutsk, USSR	
	50.17	3.5	BED29	Taipei, Taiwan	
	50.17	15/100		Moscow, USSR	
	50.17	20	DMR25	Deutsche Welle, Germany	
5981	50.16	2	ZFY	R. Demarara, Br. Guiana	
5985	50.13	10	LRS1	R. Splendid, Argentina	
	50.13	4	OEI30	Wien, Austria	
	50.13	10/100		R. Free Europe, Germany	
	50.13			Sanaa, Yemen	
5990	50.08	15/100	MCV	BBC, London, Gt. Britain	
	50.08	0.3	HC6GY	R. Luz, Ecuador	
	50.08	1	YDS2	Menado, Indonesia	
	50.08	10/50		Karachi, Pakistan	
	50.08	3	TGJA	R. Nuevo Mundo, Guatemala	
	50.08	100		R. Nacional, Spain	
5995	50.04	1	YNDG	R. Colonial, Nicaragua	
	50.04	1	TIQ	R. Casino, Costa Rica	
	50.04	1	HO50	R. Prgr. Continental, Panama	
	50.04	7.5/100		Warsaw, Poland	
	50.04	15/100		Moscow, USSR	
	50.04	1	HRP1	El Eco de Honduras, Hond.	
6000	50.00	0.1	OEI20	Innsbruck, Austria	
	50.00	5	PRJ3	R. Inconfidencia, Brazil	
	50.00	15/100		Moscow, USSR	
	50.00	10	HJKD	Emisora Nuevo Mundo, Colombia	
	50.00	1	DZH4	Voice of Manila, Philippines	
	50.00	20	TAN	R. Ankara, Turkey	
	50.00	5	CXA2	R. de Montevideo, Uruguay	
	50.00	0.2	HC1DF	R. La Voz del Norte, Ecuad.	
	50.00	0.25	TGTA	R. Sonora, Guatemala	
6004	49.96	7.5		Colombo, Ceylon	
6005	49.96	0.075	CFCX	Montreal, Canada	
	49.96	20		Berlin RIAS, Germany	
	49.96	5/25/50/100		Vatican City, Italy	
	49.96	1	HP5K	Voz de la Victor, Panama	
6006	49.95	0.75	TIHBG	R. Cristal, Costa Rica	
	49.95	1	CNR3	Rabat, French Marocco	
6007	49.95			Johannesburg, S. Africa	
6010	49.92	1	CJCX	Sydney, Canada	
	49.92	5	CE601	Emisoras Norte, Chile	
	49.92	1	HJFH	Voz de Armenia, Colombia	
	49.92	5	C CO	Periodico del Aire, Cuba	
	49.92	5	YSS	R. Nacional, El Salvador	
	49.92	15/100		Moscow, USSR	
	49.92	15/100	GRB	BBC, London, Gt. Britain	
	49.92	0.5	4VYM	R. Difusion Haitienne, Haiti	
	49.92	0.25/10	VUC	AIR Calcutta, India	
	49.92	5/100	VUD	AIR Delhi, India	
	49.92	50/60/100		R. Roma, Italy	
	49.92	2.5	XEOI	Radio Mil, Mexico	
6015	49.88	10/100		R. Free Europe, Germany	
	49.88	5	PRA8	R. Cl. de Pernambuco, Brazil	
	49.88	0.4	YNBH	R. Panamericana, Nicaragua	
	49.88	20	JKK	Nazaki, Japan	
	49.88	0.25	HC4EB	R. Manta, Ecuador	
	49.88			Peking, China	
6018	49.84	5	HJCX	Voz de Colombia, Colombia	
	49.84	7.5		Salisbury, S. Rhodesia	
6020	49.83	100	CSA207	R. Nacional, Portugal	
	49.83	20		Khabarovsk, USSR	
	49.83	40		Kiev, U.S.S.R.	
	49.83	10/100		R. Free Europe, Germany	
	49.83	1	HROW	R. Monserrat, Honduras	
	49.83	0.25	XEUW	El Eco de Sotavento, Mexico	
	49.83	50/200	KNBH	Dixon, USA	
	49.83	1	OAX4Q	R. Victoria, Peru	
	49.83	7.5	ZL20	Wellington, New Zealand	
	49.83	0.25	TGDA	Voz de Occidente, Guatemala	
6022	49.81	1	ELB1	Monrovia, Liberia	
6025	49.79	10	ZYR63	R. Emiss. de Piratininga, Br.	
	49.79	0.1	HI1J	Voz de Oriente, Dom. Rep.	
	49.79	100	CSA52	R. Nacional, Portugal	
	49.79	2.5/10		R. International, Tangier	
	49.79	5		Huizen 2, Holland	

kc/s	m	kW	Call	Stations and countries	Rem.
	49.79	40		Lopik 4, Holland	
	49.79	5	VS2K6	Kuala Lumpur, Malaya	
	49.79	7.5/100		Warsaw, Poland	
	49.79	5	CR8AB	R. Goa, Port. India	
6029	49.75	0.25	HC5PT	Voz Perpetuo Socorro, Ecuad.	
6030	49.75	1		Lahore, Pakistan	
	49.75	0.25	HC2RQ	Voz del Tropico, Ecuador	
	49.75	0.1	CFVP	Calgary, Canada	
	49.75	5/25/50/100		Vatican City, Italy	
	49.75	20		Mühlacker (SDR), Germany	
	49.75	0.5	XEKW	Radio Morelia, Mexico	
	49.75	0.25	HP5B	R. Cadena Miramar, Panama	
	49.75	2	DZH6	"The Call of Orient", Philip.	
	49.75	3		Elisabethville, Belgian Congo	
	49.75	15/100		Moscow, USSR	
	49.75	2	TGTQ	R. Internacional, Guatemala	
6034	49.71	7.5		Rangoon, Burma	
6035	49.71	0.05		Battambang, Cambodia	
	49.71	15/100		Moscow, USSR	
	49.71	30	3AM3	Monte Carlo, Monaco	
	49.71	1		Noumea, New Caledonia	
	49.71	15/100	GWS	BBC London, Gt. Britain	
	49.71	10/50		Karachi, Pakistan	
	49.71	1	HRTL	Radio Tela, Honduras	
	49.71	0.15	OAX6B	R. Landa, Peru	
	49.71	1	CXA30	R. Nacional, Uruguay	
6036	49.70	10	CR6RZ	Emissora Oficial, Angola	
6037	49.69	2	TIFC-2	Faro del Caribe, Costa Rica	
6040	49.67	15/100	GSY	BBC, London, Gt. Britain	
	49.67	0.2	2AP	Apia, Samoa	
	49.67	35		Salonika (VOA), Greece	
	49.67	15/100		Moscow, USSR	
	49.67	50/200	KCBR	Delano, USA	
	49.67			Peking, China	
	49.67	75/200	WLWO	Mason, USA	
	49.67	0.5	TGCO	Voz d. Tropico, Guatemala	
	49.67	10	HJLB	La Voz del Tolima, Colomb.	
6042	49.65	0.2	OAX6A	R. Arequipa, Peru	
6045	49.63	0.1	XETW	La Voz de Tampico, Mexico	
	49.63	100	YDF	Djakarta, Indonesia	
	49.63	1	CE604	R. Libertad, Chile	
	49.63	1	HOU31	Voz del Baru, Panama	
	49.63	10/100		Allouis, France	
	49.63	3		R. Aden, Aden	
	49.63	5		R. Dakar, Sénégal	
	49.63	5/100		AIR, Delhi, India	
6050	49.59	0.7	HI1N	Voz d. la Reelección, Dom. R.	
	49.59	0.75	YSR	Voz de El Salvador, El Salv.	
	49.59	15/100	GSA	BBC, London, Gt. Britain	
	49.59	0.5	VSZ10	Tawara, Gilbert Islands	
	49.59	0.8	HCJB	Voz de los Andes, Ecuador	
	49.59	2		Tbilisi, USSR	
6055	49.55	50		Komsomolsk, USSR	
	49.55	7.5	PRB21	R. Record, Brazil	
	49.55	1	HJEA	R. Pacifico, Colombia	
	49.55	5	JOZ2	Tokyo, Japan	
	49.55	0.6	YNOW	Voz de la Amer. Centr., Nicar.	
	49.55	5	CXA14	Servicio de Inform., Uruguay	
	49.55	0.25	DYH4	Dumaguete City, Philippines	
	49.55	100	HER2	Schwarzenburg, Switzerland	
	49.55	10		R. Liberation, Germany	
	49.55	0.3	OAX6E	R. Continental, Peru	
6057	49.53	0.25	OAX2A	R. Trujillo, Peru	
6060	49.50		HRYN2	Voz del Merendon, Honduras	
	49.50	15/100	GSX	BBC, London, Gt. Britain	
	49.50	2.5	VQ7LO	Nairobi, Kenya	
	49.50	50	CKRZ	R. Canada, Canada	
	49.50	50	OZF3	Herstedvester, Denmark	
	49.50	15/100		Moscow, U. S. S. R.	
	49.50	35		N. Luzon (VOA), Philippines	
	49.50	50/200	KNBH	Dixon, U.S.A.	
	49.50	50	WDSI	Brentwood, U.S.A.	
	49.50	0.25	HC1AC	Voz de la Democracia, Ecuad.	
	49.50	0.5	HORT	R. Balboa, Panama	
	49.50			Caltanisetta (RAI), Italy	
	49.50	1.5	TGXX	R. Cirós, Guatemala	
	49.50	50/60/100		R. Roma, Italy	
6062	49.49	10	LRA1	R. del Estado, Argentina	
6065	49.50	7.5		R. Rural Brasileira, Brazil	
	49.46	0.6	YNEQ	Voz de la Victoria, Nicarag.	
	49.46	100		Hörby, Sweden	
	49.46			AIR, Mysore, India	
	49.46	5/100	VUD	AIR, Delhi, India	
	49.46	0.3	HC2FQ	R. Continental, Ecuador	
	49.46	5	XEXX	R. Mexicana del Centro,	
6067	49.45	0.25	EHT1	R. Tetuan, Sp. Morocco	
6069	49.43	50|100	JOA	Tokyo, Japan	
6070	49.42	1	CFRX	Toronto, Canada	
6070	49.42	15/100	GRR	BBC, London, Gt. Britain	
	49.42	100		R. Sofia, Bulgaria	
	49.42	0.25	CP18	R. El Condor, Bolivia	
	49.42	15/100		Moscow, U.S.S.R.	
	49.42	0.2	HC2AQ	R. Nueva Ortiz, Ecuador	
	49.42	50		Petropavlovsk, U.S.S.R.	
	49.42	5/100		AIR, Delhi, India	
6072	49.40			Bukhara, U.S.S.R.	
6075	49.38	5		Osterloog (N.D.R.), Germ.	
	49.38	0.5	TIGG	R. Excelsior, Costa Rica	
	49.38	2.5	CXA3	R. Ariel, Uruguay	
	49.38	10/50		Karachi, Pakistan	
	49.38	0.5	HRMH	La Voz del Junco, Honduras	
	49.38	1		Lahore, Pakistan	
6080	49.34	15/100	MCV	BBC, London, Gt. Britain	
	49.34	35/50/100		Tangier (VOA), Tangier	
	49.34	50|100	JOB	Tokyo, Japan	
	49.34	0.25	DZI7	Voice of Manila, Philippines	
	49.34	8/100		Munich (VOA), Germany	
	49.34	0.01	CKFX	Vancouver, Canada	
	49.34	7.5	ZL7	Wellington, New Zealand	
	49.34	10	CSB51	R. Clube Portuguese, Portug.	
	49.34	0.25	TGCB	R. Colonial, Guatemala	
	49.34	5		Vladivostok, U.S.S.R.	
	49.34	75/200	WLWO	Mason, U.S.A.	
6082	49.32	15	OAX4Z	R. Nacional, Peru	
6085	49.30	0.5	VP4RD	R. Trinidad, Trinidad	
	49.30	0.25/10	VUM	AIR, Madras, India	
	49.30	16	ZYK2	R. Jornal do Comercio, Brazil.	
	49.30	100	ORU4	Bruxelles, Belgium	
	49.30	3		Stanleyville, Belgian Congo	
6090	49.26	2	VLI6	Sydney, Australia	
	49.26	0.3	HOO	R. Independiente, Panama	
	49.26	15/100	GWM	BBC, London, Gt. Britain	
	49.26	50	CKOB	R. Canada, Canada	
	49.26	7.5	CBFW	Montreal, Canada	
	49.26	50		R. Luxembourg	
	49.26	10	HQFM	Tegucigalpa, Honduras	
	49.26	0.2	HC6VM	R. 11 de Noviembre, Ecuad.	
	49.26	7.5		Dacca, Pakistan	
	49.26	15/100		Moscow, U.S.S.R.	
	49.26	1		Phnom-Penh, Cambodia	
	49.26	7.5	4VB	R. Commerce, Haiti	
	49.26	50	LRY	R. Belgrano, Argentina	
6095	49.22	1	OAX4H	R. Mundial, Peru	
	49.22	100		Hörby, Sweden	
	49.22	1	YSC	R. Mil Veinticinco, El Salvador	
	49.22	10/100		R. Free Europe, Germany	
	49.22	25	ZYB7	R. Dif. de Sao Paulo, Brazil	
	49.22	7.5		Colombo, Ceylon	
6100	49.18	0.25	CE610	R. Calama, Chile	
	49.18	3		Djeddah, Saudi Arabia	
	49.18	0.25	VPP	Belize, Honduras, Br.	
	49.18	15/100		Moscow, U.S.S.R.	
	49.18			Peking, China	
	49.18	10/100		R. Belgrade, Yugoslavia	
	49.18	0.35	TGOA	La Voz de las Americas, Guat.	
	49.18	0.3/1	4VE	La Voix Evangélique, Haiti	
	49.18	0.3	YSJM	Dif. YSJM, El Salvador	
	49.18	0.25	HC5JA	R. Atenas, Ecuador	
6105	49.14	1.5		R. Hirondelle, Indochina	
	49.14	5	ZYN6	Ceara R. Clube, Brazil	
	49.14	1.5		R. Hirondelle, Vietnam	
	49.14	5	HJFD	R. Manizales, Colombia	
	49.14	1		Britcom, Japan	
	49.14	10/100		R. Free Europe, Germany	
6106	49.14	3	BEC32	Taipei, Taiwan	
6110	49.10	1		Shrinagar, Kashmir	
	49.10	15/100	GSL	BBC, London, Gt. Britain	
	49.10	7.5/100	BFEBS	Singapore, Malaya	
	49.10	15/100		Moscow, U.S.S.R.	
	49.10	5/100	VUD	AIR, Delhi, India	
	49.10	7.5	DZI4	Manila, Philippines	
	49.10	1.25		R. International, Tangier	
	49.10	1	TGQA	R. Nacional, Guatemala	
	49.10	1	HRXX	R. Comayaguela, Honduras	
6112	49.08	0.25		Nairobi (FBU), Kenya	
	49.08	1	HI1Z	Broadc. Nacional, Dom. R.	
	49.08	7.5		Dacca, Pakistan	
	49.08	1	4VE	La Voix Evangelique, Haiti	
6115	49.06	20	DMR28	Deutsche Welle, Germany	

kc/s	m	kW	Call	Stations and countries	Rem.
	49.06	5		Deutschlandssender, Germ.	
	49.06	7.5/100		Warsaw, Poland	
	49.06	50		Komsomolsk, U.S.S.R.	
6120	49.02	15/100		Moscow, U.S.S.R.	
	49.02	5/7.5/20	ZJM4	Sharq al Adna, Cyprus	
	49.02	10	LRX1	R. El Mundo, Argentina	
	49.02	15	OIX7	Pori, Finland	
	49.02	50/200	KCBR	Delano, USA	
	49.02	50	WDSI	Brentwood, USA	
	49.02	7.5		Dacca, Pakistan	
6122	49.00	0.5	HP5H	La Voz del Pueblo, Panama	
	49.00	7.5	EQR2	R. Tabriz, Iran	
6125	48.98	7.5/50		Manila (VOA), Philippines	
	48.98	10	CXA4	S.O.D.R.E., Uruguay	
	48.98	1	HRQ	R. Suyapa-Honduras, Hond.	
	48.98	15/100	GWA	BBC, London, Gt. Britain	
	48.98	7.5		R. Excelcior, Brazil	
6128	48.96	1	OAX7A	R. Cuzco, Peru	
6130	48.94	0.25	HI1G	Radiodifusora HIG, Dom.R.	
	48.94	1	COCD	Voz del Aire, Cuba	
	48.94	7.5	ZL11	Wellington, New Zealand	
	48.94	2	VLT6	Port Moresby, New Guinea	
	48.94	0.25	HC2FB	Nacional Cóndor, Ecuador	
	48.94	0.5	CHNX	Halifax, Canada	
	48.94	0.1	XERCM	R. Central de Mexico, Mex.	
	48.94	10	LKJ	Tromsö, Norway	
	48.94	10/100		R. Free Europe	
	48.94	5/100	VUD	AIR, Delhi, India	
	48.94	15/100		Moscow, U.S.S.R.	
	48.94	0.5	YSI	R. Intercontinental, El Salv.	
6135	48.90	0.5	HRMF	La Voz del Patio, Honduras	
	48.90	0.2		Papeéte, Tahiti	
	48.90	7.5	ZHP	Singapore, Malaya	
	48.90	1	HJFK	Voz del Valle, Colombia	
	48.90	0.5	CP30	R. Electra, Bolivia	
	48.90	7.5	PRC21	R. Soc. Gaucha, Brazil	
	48.90	35		Salonika, (VOA) Greece	
	48.90	50/100/200		R. Nacional, Spain	
6138	48.88	1		Lahore, Pakistan	
6140	48.86	15/100	MCW	BBC, London, Gt. Britain	
	48.86	3	OTM1	R. Congo Belge, Belgian C.	
	48.86	0.75	YNWA	R. Mundial, Managua, Nica.	
	48.86	0.5	HOQQ	R. Nacional, Panama	
	48.86	0.5	DYH2	Voice of Cebu, Philippines	
	48.86	8/100		Munich (VOA), Germany	
	48.86	35/50/100		Tangier (VOA), Tangier	
	48.86	2.5	CXA5	Montevideo, Uruguay	
	48.86	0.5	HI8Z	R. Santiago, Dom. Rep.	
	48.86	0.4	TGDX	R. Central, Guatemala	
6145	48.82	100		Allouis, France	
	48.82	35		Okinawa (VOA), Ryukyu Isl.	
	48.82	10	HJDE	Voz de Antioquia, Colombia	
6147	48.80	50	PRL9	R. Nacional, Brazil	
6150	48.78	2	CKRO	Winnipeg, Canada	
	48.78	5	VLR6	Melbourne, Australia	
	48.78	15/100	GRW	BBC, London, Gt. Britain	
	48.78	15/100		Moscow, U.S.S.R.	
	48.78	20		Khabarovsk, USSR	
	48.78	0.25	TIRH	R. El Mundo, Costa Rica	
	48.78	5	CE615	R. Cooperativa Vitalicia, Chile	
	48.78	0.25/10	VUB	AIR, Bombay, India	
	48.78	0.35	YNS	Sultana de Oriente, El Salvador	
	48.78	0.25	CP12	R. Fides, Bolivia	
	48.78	0.25	OAX1A	R. Delcar, Peru	
	48.78	10/100		R. Free Europe, Germany	
	48.78	0.5	TGAZ	R. Continental, Guatemala	
6153	48.75	0.5	OBX4G	R. Excelsior, Peru	
6154	48.74			Peking, China	
	48.74	7		R. Renascenca, Portugal	
6155	48.74	30	OLR2C	R. Prague, Czechoslovakia	
	48.74	0.2	OEI21	Wien, Austria	
	48.74	2	EQB	R. Teheran, Iran	
	48.74	75/200	WLWO	Mason, USA	
	48.74	10	CXA13	R. Carve, Uruguay	
	48.74	0.3	HC4LT	R. Costa Azul, Ecuador	
	48.74	0.15	4VWA	R. Citadelle, Haiti	
6160	48.70	1	CP40	Emisora LAB Bolivia	
	48.70	5	HJKJ	Nueva Granada, Colombia	
	48.70	10		Tokyo, (FEN), Japan	
	48.70	25		Algiers I, Algeria	
	48.70	0.5	CBXU	Vancouver, Canada	
	48.70	10		München, (B.R.), Germany	
	48.70	50	CHAC	R. Canada, Canada	
	48.70	0.2	HI1R	Voz de Fundacion, Dom.R.	
	48.70	15/100		Moscow, USSR	
	48.70	0.25	TGZA	R. Oriental, Guatemala	
6165	48.66	5	4VCM	La Magloire Broadcasting Circuit, Haiti	
	48.66	1.5	HRTW	Union R. Hondureña, Honduras	
	48.66	100	HER3	Schwarzenburg, Switzerland	
	48.66	2	TILS	Para Ti, Costa Rica	
	48.66	20		Damascus, Syria	
	48.66	15/100	GWK	BBC, London, Gt. Britain	
	48.66	7.5	ZYR58	R. Cultura, Brazil	
6170	48.62	5/7.5/20	ZJM5	Sharq al Adna, Cyprus	
	48.62	1	DUH2	The Peoples Station, Philipp.	
	48.62	15/100	GSZ	BBC, London, Gt. Britain	
	48.62	15/100		Moscow, USSR	
	48.62	50	WDSI	Brentwood, USA	
	48.62			Peking, China	
	48.62	0.2		Nyeri (KBS), Kenya	
	48.62	0.2	HC2PJ	R. Fulminense, Ecuador	
	48.62	1	CXA21	R. Fenix, Uruguay	
	48.62	0.35	YSHQ	Voz d. Progresso, El Salvador	
	48.62	5	YVKO	R. Nacional, Venezuela	
	48.62	1	YDL3	Padang, Indonesia	
6172	48.60	1	FIQA	R. Tananarive, Madagascar	
6175	48.58	7.5/100		BFEBS Singapore, Malaya	
	48.58	0.3	HOB	R. Panamericana, Panama	
	48.58	10		R. Liberation, Germany	
	48.58	3		Djeddah, Saudi Arabia	
	48.58	0.3		Enugu, Nigeria	
	48.58	0.1	XEXA	R. Gobernación, Mexico	
6177	48.56	7.5		Athens (NBI), Greece	
6180	48.54	0.5	ZL1ZA	R. Rarotonga, Cook Islands	
	48.54	1	TGWB	Voz de Guatemala, Guatemala	
	48.54	0.25	YSMA	Voz Supr. d. Occid., El Salv.	
	48.54	15/100	GRO	BBC, London, Gt. Britain	
	48.54	3	TIGPH4	Nueva Alma Tica, Costa Rica	
	48.54	10	LRA	Mendoza, Argentina	
	48.54	10	HJCT	R. Nacional, Colombia	
	48.54	15		Ashkabad, USSR	
6185	48.50	10	ZYR77	R. Bandeirantes, Brazil	
	48.50	100	CSA29	R. Nacional, Portugal	
	48.50	10	LLI	Tromsö, Norway	
	48.50	0.6	YNVP	Voz de Nicaragua, Nicaragua	
	48.50	35		Courier (VOA), Greece	
	48.50	50/200	KCBR	Delano, USA	
	48.50	10		R. Liberation	
	48.50	0.45	CP9	R. Amauta, Bolivia	
	48.50	15/100		Moscow, USSR	
	48.50	0.25	HRSU	R. Progresso, Honduras	
6188	48.48	0.75	YSUA	R. Mil Cincuenta, El Salvador	
6190	48.47	5/25/50/100		Vatican City, Italy	
	48.47	5/100	VUD	AIR, Delhi, India	
	48.47	0.25	OAX4G	R. Lima, Peru	
	48.47	0.1	HI9T	Broadc. Tropical, Dom. Rep.	
	48.47	0.3	HC4DY	R. Iris, Ecuador	
	48.47	5	CE619	R. Cooperacion, Chile	
	48.47	0.25	CP37	R. Oruro, Bolivia	
	48.47	50/100/60		R. Roma, Italy	
6195	48.43	15/100	GRN	BBC, London, Gt. Britain	
	48.43	7.5/100		Warsaw, Poland	
	48.43	2		Baku, USSR	
	48.43	15/100		Moscow, YSSR	
	48.43	100		Honolulu (VOA), Hawaii	
	48.43	0.25	HC6EM	R. Cosmopolita, Ecuador	
	48.43	5	HJEZ	Voz de Cali, Colombia	
	48.43	0.25	HRD2	Voz d. Atlantida, Honduras	
	48.43	7.5	PRD21	Emisora Continental, Brazil	
6198	48.40	0.3	OAX1B	R. Piura, Peru	
	48.40	0.15	4VCP	La Voix du Nord, Haiti	
6199	48.39	0.35		Cayenne, Guiana (Fr.)	
6200	48.39	1.5	ZOY	Accra, Gold Coast	
	48.39	100	ZYC7	R. Tamoio, Brazil	
	48.39	100		Allouis, France	
	48.39	0.25	OAX4P	R. Huancayo, Peru	
	48.39	15/100		Moscow, USSR	
	48.39			Peking, China	
6209	48.31	2.5		Malaga, Spain	
	48.31	50		Bucarest, Rumania	
	48.31	15/100		Moscow, USSR	
	48.31			Bangkok, Thailand	
	48.31	50/60/100		R. Roma, Italy	
6216	48.27	0.3	OAX4S	R. San Cristobal, Peru	
6220	48.23	10/50		Karachi, Pakistan	
	48.23	15		Alma Ata, USSR	
	48.23	5	CE622	R. Nac. de Mineria, Chile	
	48.23	5/100	VUD	AIR, Delhi, India	
6225	48.19			Peking, China	
6235	48.12	10/50		Karachi, Pakistan	

kc/s	m	kW	Call	Stations and countries	Rem.
6240	48.08	5		RAI, Caltanisetta, Italy	
	48.08	1	HSK5	R. Thailand, Thailand	
	48.08	0.1		Mytilini, Greece	
6248	48.02	100		R. Budapest, Hungary	
6250	48.00	1		Technical University, Turkey	
6270	47.85	0.5		Tripolis, (FBS) Greece	
	47.85			Peking, China	
6290	47.69	5/100		AIR, Delhi, India	
6300	47.62	1		Ankara Police R., Turkey	
	47.62	0.3	YSCP	Vozd. la Revolucion, ElSalv.	
6330	47.39	0.3	OBX4P	R. Miraflores, Peru	
6360	47.16	3	CR6RZ	Emissora Oficial, Angola	
	47.16	100	CSA38	R. Nacional, Portugal	
6373	47.09	100	CSA2	R. Nacional, Portugal	
	47.09	10		Atlantico (Lisboa), Portugal	
6400	46.88	0.2	HC2RL	R. Quinta Piedad, Ecuador	
	46.88	0.04	ZPA8	R. Ypir, Paraguay	
6405	46.84	15/100		Moscow, U.S.S.R.	
6419	46.75	1	ETHA	Addis Ababa, Ethiopia	
6435	46.58	0.4	EPP2	R. Shiraz, Iran	
6440	46.50	1		Ankara Tec. School, Turkey	
6450	46.51	1	COCY	R. Siboney, Cuba	
6459	46.44	1		Douala, Cameroon	
6480	46.29	15/100		Moscow, USSR	
	46.29	0.06		R. Herakleion, Greece	
6525	45.98	0.3		Carpenission, Greece	
6540	45.87	15/100		Moscow, USSR	
6590	45.52	0.1		Chios, Greece	
6600	45.45	0.5	TAZ	R. Izmir, Turkey	
6660	45.05	15/100		Moscow, USSR	
6675	44.94	25	HBQ	Geneva, Switzerland	
6690	44.80	0.2		Technical School, Turkey	
6700	44.78	15/100		Moscow, USSR	
6702	44.76			Stalinabad, USSR	
6725	44.61	1	4XB44	Tel Aviv, Israel	
6730	44.58	15		Tashkent, USSR	
6743	44.50			Peking, China	
6752	44.42	0.5		Larissa (FBS), Greece	
6790	44.18	5/7.5/20	ZJM6	Sharq al Adna, Cyprus	
6800	44.15			Meshed, Iran	
6825	43.96	15		Tashkent, USSR	
6830	43.92	2.5	4XB21	Tel Aviv, Israel	
6870	43.67	1	CR6RR	R. Diamang, Angola	
6895	43.52	0.5		Vagabond(AFKN), S. Korea	
6967	43.07			Magadan, USSR	
6976	43.00	0.05		La Voz de Vigo, Spain	
6993	42.90	0.5		R. Leon, Spain	
6995	42.89	1		R. Mediterraneo, Spain	
7000	42.86	0.4		Salonika, (FBS) Greece	
	42.86	0.4		Izmir, Turkey	
	42.86	0.3		R. Atlantico, Canary Islands	
7010	42.80	10/50		Karachi, Pakistan	
7022	42.73			Bangkok, Thailand	
7025	42.70	0.2		Papeete, Tahiti	
7030	42.67	0.5		Tech. University, Turkey	
7035	42.64	5/100		AIR, Delhi, India	
7040	42.61	0.4		R. Nepal, Nepal	
7049	42.56	100	CSA60	R. Nacional, Portugal	
7050	42.52	40/50/100		Cairo, Egypt	
7065	42.46	5/100	VUD	AIR, Delhi, India	
7070	42.43	1	CR6RR	R. Diamang, Angola	
7072	42.42	0.3		R. Mogadiscio, Ital. Somalil.	
7079	42.38	2.5		Enugu, Nigeria	
7085	42.34	7.5		Dacca, Pakistan	
7090	42.31	0.3		Jannina (FBS), Greece	
7096	42.27	10/50		Karachi, Pakistan	
				7100 – 7300 kc/s – 41 metre band	
7100	42.25	0.2		Papeete, Tahiti	
	42.25	15/100		Moscow, USSR	
	42.25	1	YDJ2	Jogjakarta, Indonesia	
	42.25	0.25		Kathmandu, Nepal	
	42.25	0.35		R. Omdurman, Sudan	
	42.25	0.015		R. Ribadavia, Spain	
	42.25	0.06		R. Villa Carrillo, Spain	
	42.25	7.5/35		Colombo, Ceylon	
	42.25	50/100/200		R. Nacional, Spain	
7105	42.22	100		Allouis, France	
	42.22	0.15	CR6RD	Nova Lisboa, Angola	
	42.22	10/100		R. Free. Europe, Germany	
7106	42.22	1	CR6AA	Lobito, Angola	
7110	42.19	10/50		Karachi, Pakistan	
	42.19	35		VOA, Ceylon	
	42.19	15/100		Moscow, USSR	
	42.19	15/100	MCS	BBC, London, Gt. Britain	
	42.19	10		Kampala, Uganda	
7115	42.16	35/100		VOA, Tangier	
7120	42.13	5/100	VUD	AIR, Delhi, India	
	42.13	100		Allouis, France	
	42.13	15/100	GRM	BBC, London, Gt. Britain	
	42.13	7.5/100		BFEBS, Malaya	
7125	42.11	0.2		Papeete, Tahiti	
	42.11	15/100		Moscow, USSR	
	42.11	7.5/100		Warsaw, Poland	
	42.11	35		Courier (VOA), Greece	
7126	42.12	1	VQ6MI	R. Somali, Somaliland (Br.)	
	42.12	0.04		R. Villanueva, Spain	
	42.12	5		R. Africa, Tangier	
7130	42.07	100	CSA55	R. Nacional, Lisboa, Portugal	
	42.07	10		R. Liberation, Germany	
	42.07	20	BED7	Taipei, Taiwan	
7135	42.05	0.3	OEI31	Wien, Austria	
	42.05	3	CR4AA	R. Cl. Cabo Verde, C. Verde Isl.	
	42.05	15/100	GRS	BBC, London, Gt. Britain	
	42.05	1	FIQA	R. Tananarive, Madagascar	
	42.05	0.25		R. Oviedo, Spain	
7140	42.02	1	HSK6	R. Thailand, Thailand	
	42.02	10/100		R. Free Europe, Germany	
	42.02	5/100	VUD	AIR, Delhi, India	
	42.02	100	TAL4	R. Ankara, Turkey	
	42.02	0.6	CR6RE	Malange, Angola	
	42.02	7.5		Dacca, Pakistan	
	42.02	0.06		R. Lerida, Spain	
7142	42.01	0.25	CR6RA	R. Clube de Angola, Angola	
	42.01	7.5		R. Athens, Greece	
7145	41.99	7.5		Damascus, Syria	
	41.99	10/100		R. Free Europe, Germany	
	41.99	7.5/100		Warsaw, Poland	
	41.99	1		Vientiane, Laos	
	41.99	35/100		VOA, Tangier	
7150	41.96	15/100	GRT	BBC, London, Gt. Britain	
	41.96	0.25	OQ2AB	R. Elisabeth, Belg. Congo	
	41.96	5		Deutschlandsender, Germ.	
	41.96	7.5		Dacca, Pakistan	
	41.96	5		Erivan, USSR	
	41.96	7.5/35		Colombo, Ceylon	
7155	41.93	5/100	VUD	AIR, Delhi, India	
	41.93	10/100		R. Free Europe, Germany	
	41.93	15/100		Moscow, USSR	
7160	41.90	100		Allouis, France	
	41.90	8/100		VOA, Germany	
	41.90	5		Emissora d. Radiodif. S. Isabel, Sp. Guinea	
	41.90	35		Okinawa (VOA), Ryukyu Isl.	
	41.90			Peking, China	
7165	41.87	15/100		Moscow, USSR	
	41.87	10/100		R. Free Europe, Germany	
7170	41.84	5/100	VUD	AIR, Delhi, India	
	41.84	20	DMR30	Deutsche Welle, Germany	
	41.84	10		R. Liberation, Germany	
	41.84	0.2		R. St. Denis, Reunion	
	41.84			Peking, China	
7175	41.81	10/100		R. Free Europe, Germany	
	41.81	7.5/100		Warsaw, Poland	
	41.81			RAI, Palermo, Italy	
	41.81	7.5		Kaduna, Nigeria	
	41.81	2.5		R. International, Tangier	
7180	41.78	15/100		Moscow, USSR	
	41.78	50/100	JOB2	Tokyo, Japan	
	41.78	10/100		R. Free Europe, Germany	
	41.78	35		Salonika (VOA), Greece	
7185	41.75	15/100	GRK	BBC, London, Gt. Britain	
	41.75	20		Lagos, Nigeria	
7190	41.72	5		R.O.N.G. Hollandia, New Guinea	
	41.72	15/100		Moscow, USSR	
	41.72	5/100	VUD	AIR, Delhi, India	
	41.72	7.5/35		Colombo, Ceylon	
7192	41.71	10/100		R. Free Europe, Germany	
7198	41.68	0.5	BED35	Taipei, Taiwan	
7200	41.67	0.75		S. Isabel, Sp. Guinea	
	41.67	2		R. Teruel, Spain	
	41.67	0.04		R. Alcaniz, Spain	
	41.67	10/50		Karachi, Pakistan	
	41.67	15/100	GWZ	BBC, London, Gt. Britain	
	41.67	15/100		Moscow, USSR	
	41.67			Stalinabad, USSR	
	41.67	35/50/100		VOA, Tangier	
	41.67	5		Singapore, Malaya	
	41.67	0.25	OQ2AC	R. College, Belg. Congo	
	41.67	10/100		R. Belgrade, Yugoslavia	
	41.67	1		R. SEU, Spain	

kc/s	m	kW	Call	Stations and countries	Rem.
7203	41.65	1	CR6RO	Silva Porto, Angola	
7205	41.64	20	DMR31	Deutsche Welle, Germany	
	41.64	1		R. Hué, Vietnam	
7210	41.61	5/100	VUD	AIR, Delhi, India	
	41.61	0.25/10	VUC	AIR, Calcutta, India	
	41.61	15/100	GWL	BBC, London, Gt. Britain	
	41.61	40		Lopik 4, Holland	
	41.61	15/100		Moscow, USSR	
	41.61	100		Höreby, Sweden	
	41.61	10	LLS	Tromsö, Norway	
	41.61	100	HEI3	Schwarzenburg, Switzerland	
7214	41.59	35/100		VOA, Tangier	
	41.58	1		R. Lao, Indochina	
	41.58	..	BEC27	Taipei, Taiwan	
7220	41.55	15/100		BBC, London, Gt. Britain	
	41.55	7.5		Forces Br. St., Bengazi	
	41.55	100	VLA/B7	Shepperton, Australia	
	41.55	50	VLC7	Shepperton, Australia	
	41.55	10	VLG7	Lyndhurst, Australia	
	41.55	7.5	ZL12	Wellington, New Zealand	
	41.55	100	YDF5	Djakarta, Indonesia	
	41.55	100		Budapest, Hungary	
	41.55	100		Allouis, France	
	41.55	5/100	VUD	AIR, Delhi, India	
	41.55	15	ZQP	R. Lusaka, N. Rhodesia	
	41.55	1.5	YSO	Voz d. la Democracia, El Salv.	
7225	41.52	5/100	VUD	AIR, Delhi, India	
	41.52	10		R. Liberation, Germany	
	41.52	7.5		Dacca, Pakistan	
	41.52	10/50		Karachi, Pakistan	
	41.52	15/100		Moscow, USSR	
	41.52	0.35	CR7IB	Beira, Mozambique	
	41.52	100	CSA53	R. Nacional, Portugal	
7230	41.49	5/100	VUD	AIR, Delhi, India	
	41.49			Johannesburg, S. Africa	
	41.49	1	CR6RM	Mocamedes, Angola	
	41.49	25		R. France Asie, Vietnam	
	41.49	15/100	GSW	BBC, London, Gt. Britain	
7235	41.47	15/100		Moscow, USSR	
	41.47	35/50/100		VOA, Tangier	
	41.47	10/100		R. Free Europe, Germany	
	41.47	8/10		Munich (VOA), Germany	
7237	41.45	0.25	VS4S	Jesselton, N. Borneo	
7240	41.44	5/100	VUD	AIR, Delhi, India	
	41.44	100	VLA/B7	Shepparton, Australia	
	41.44	50	VLC7	Shepparton, Australia	
	41.44	10	VLG7	Lyndhurst, Australia	
	41.44	10	LLR	Tromsö, Norway	
	41.44	1	YDP3	Medan, Indonesia	
	41.44	20	TAM	R. Ankara, Turkey	
	41.44	100		Allouis, France	
	41.44	0.25/10	VUB	AIR, Bombay, India	
7242	41.42	50/100	JOA2	Tokyo, Japan	
7245	41.41	4	OEI22	Wien, Austria	
	41.41	15/100		Moscow, USSR	
	41.41	10		R. Liberation, Germany	
7250	41.38	5/100	VUD	AIR, Delhi, India	
	41.38	15/100	GWI	BBC, Gt. Britain	
	41.38	5/25/50/100		Vatican City, Italy	
	41.38	1	YDG3	Surakarta, Indonesia	
	41.38	7.5	CR7AA	R.Cl.deMozambique,Mozam.	
	41.38	8/100		Munich (VOA), Germany	
7255	41.36	15/100		Moscow, USSR	
	41.36	7.5/100		Warsaw, Poland	
	41.36	5/100	VUD	AIR, Delhi, India	
	41.36			Cape Town, S. Africa	
	41.36	10		R. Liberation, Germany	
	41.36	30	OLR8E	R. Prague, Czechoslovakia	
7256	41.35	100		R. Sofia, Bulgaria	
7257	41.34	5	JKH	Tokyo, Japan	
7260	41.32		CR6RB	R. Eclesia, Angola	
	41.32	50	OZF4	Herstedvester, Denmark	
	41.32	15/100	GSU	BBC, London, Gt. Britain	
	41.32	7.5/100		BFEBS, Malaya	
	41.32	100	CSA22	R. Nac., Lisboa, Portugal	
	41.32	0.25/10	VUM	AIR, Madras, India	
	41.32	5/100	VUD	AIR, Delhi, India	
7263	41.31	10/50		Karachi, Pakistan	
	41.32	0.04		R. Ayora, Spain	
7265	41.29	1.5		Bad Dürrheim(S.W.F.),Germ.	
7265	41.29	15/100		Moscow, U.S.S.R.	
	41.29	1		R. Dalat, Vietnam	
	41.29	100	CSA54	R. Nacional, Portugal	
	41.29	35		Salonika, (VOA) Greece	
7270	41.27	7.5	YDB3	Djakarta, Indonesia	
	41.27	12		Motala, Sweden	
	41.27	10/50		Karachi, Pakistan	
	41.27	1		Lahore, Pakistan	
	41.27	15/100		Moscow, U.S.S.R.	
	41.27	5/25/50/100		Vatican City, Italy	
7275	41.24			Johannesburg, S. Africa	
	41.24	5/100	VUD	AIR, Delhi, India	
	41.24	50/60/100		R. Roma, Italy	
	41.24	10		R. Liberation, Germany	
7280	41.21	15/100		Moscow, U.S.S.R.	
	41.21	100		Allouis, France	
	41.21	15/100	GWN	BBC, Gt. Britain	
	41.21	5/25/50/100		Vatican City, Italy	
7281	41.20	0.04		R. Almansa, Spain	
7282	41.20	100	VLA/B7	Shepparton, Australia	
	41.20	50	VLC7	Shepparton, Australia	
	41.20	10	VLG	Lyndhurst, Australia	
7284	41.18	1		Lahore, Pakistan	
7285	41.18	5/100	VUD	AIR, Delhi, India	
	41.18	100	TAS	R. Ankara, Turkey	
	41.18	5	JKJ	Tokyo, Japan	
	41.18	10/100		R. Free Europe, Germany	
7290	41.15	12		R. Saigon, (National), Vietn.	
	41.15	5/100	VUD	AIR, Delhi, India	
	41.15	7.5	ZL13	Wellington, New Zealand	
	41.15	0.5/3		Pan Amer. Broadc. S., Tang.	
	41.15	20	DMR33	Deutsche Welle, Germany	
	41.15	50/60/100		R. Rome, Italy	
7295	41.12	1	YDQ3	Makassar, Indonesia	
	41.12			Johannesburg, S. Africa	
	41.12	0.25	EA8AB	R. Club Tenerife, Canary I.	
	41.12	8/100		VOA, Germany	
	41.12	10/100		R. Free Europe, Germany	
	41.12	5/100		AIR, Delhi, India	
7300	41.10	10/100		R. Free Europe, Germany	
	41.10	50/60/100		R. Rome, Italy	
	41.10	15/100		Moscow, U.S.S.R.	
	41.10	3.5	BEC36	The Voice of Righteousness Taiwan	
	41.10	7.5		Athens, Greece	
7310	41.04	15/100		Moscow, U.S.S.R.	
7312	41.03	0.15	YNWN	R. Granada, Nicaragua	
7320	40.98	5	VED	Edmonton, Canada	
	40.98	15/100		Moscow, U.S.S.R.	
7325	40.96	15/100	GRJ	BBC, London, Gt. Britain	
7330	40.93	15		Moscow, U.S.S.R.	
	40.93	3	CHU	Dominion Observatory, Can.	
7340	40.87	15/100		Moscow, U.S.S.R.	
	40.87			Leningrad, U.S.S.R.	
7349	40.82	30	3AM4	Monte Carlo, Monaco	
7350	40.82	0.2	HC2AU	R. Atalaya, Ecuador	
7360	40.76	15/100		Moscow, U.S.S.R.	
7380	40.66	5		Voz de la Falange, Spain	
7400	40.54	15/100		Moscow, U.S.S.R.	
7420	40.43	15/100		Moscow, U.S.S.R.	
	40.43			Hanoi, North Vietnam	
7422	40.42	1		Athens, FBS, Greece	
7430	40.37	0.05	FG8HA	Basse-Terre, Guadeloupe	
7440	40.33			Stalinabad, U.S.S.R.	
7500	40.00			Peking, China	
	40.00	0.08		R. Avila, Spain	
	40.00	0.04		LaVoz de Centa, Sp. Morocco	
7508	39.96	0.5		Kavalla (FBS), Greece	
7547	39.75	5	ZNX32	Bridgetown, Barbados	
7570	39.63	0.5	QZL	Angmagssalik, Greenland	
7602	39.46	0.2	YNRM	R. Musún, Nicaragua	
7620	39.37	0.1	YNBX	R. Oriental, Nicaragua	
7623	39.29	7.5		Dacca, Pakistan	
7660	39.16	1	CEZ7C	R. Yungay, Chile	
7667	39.13	7.5		Dacca, Pakistan	
7670	39.11	5		R. Sofia, Bulgaria	
7753	38.67	0.15	YNRA	R. Atlantico, Nicaragua	
7790	38.51	15/100		Moscow, U.S.S.R.	
7805	38.43	0.2	CR6RP	Novo Redondo, Angola	
7850	38.20	3		R. Tirana, Albania	
7935	37.81	1	HLKA	Seoul, S. Korea	
	37.81	1.5	PSL	Agencia Nacional, Brazil	
7940	37.78	1.2		Alicante, Spain	
7950	37.74	0.5		Kozani (FBS), Greece	
	37.74	0.75	EPR16	R. Resht, Iran	
8036	37.34	2		Beyrouth, Lebanon	
8110	37.00	7	EPF	Teheran, Iran	
8215	36.52	0.2		R. Shkodra, Albania	
8230	36.45	0.25	ZNB	Mafeking, Bechuanaland	
8300	36.10	1	CR6RS	R. Diamang, Angola	
8630	34.76	1	CMA5	Cuban Transatlantic R. Corp.	
8644	34.70	15/100		Moscow, U.S.S.R.	

kc/s	m	kW	Call	Stations and countries	Rem.
8760	34.25	15/100		Moscow, U.S.S.R.	
8800	34.06	0.04		R. Ecuatorial, Sp. Guinea	
8820	34.01	20		Khabarovsk, U.S.S.R.	
8915	33.65	15/100		Moscow, U.S.S.R.	
9000	33.33	0.15	4VPB	Petionville Broadc., Haiti	
9009	330.3	50	4XB31	Tel-Aviv, Israel	
9025	3324			Peking, China	
9026	33.23	1	COBZ	R. Salas, Cuba	
9040	33.18			Peking, China	
9050	33.15	1	CR6RZ	Emissora Oficial, Angola	
9144	32.80	100	ORU3	Bruxelles, Belgium	
9145	32.80	15/100		Moscow, U.S.S.R.	
9120	32.58	50	OTH	R. Congo Belge, Belg. Congo	
9200	32.61	0.5	CE920	R. Militar Austral–Chile	
9230	32.50	15/100		Moscow, U.S.S.R.	
9235	32.48	1	COBQ	R. Onda Musical, Cuba	
9250	32.43	15		Alma Ata, U.S.S.R.	
	32.43	1	YSF	R. Vanguardia, El Salvador	
9254	32.42	4		Bucarest, Rumania	
9270	32.36	1		R. Yaoundé, Cameroon	
9271	36.36	40		Kiev, U.S.S.R.	
9310	32.22	1		Gorno Altaysk, U.S.S.R.	
9320	32.19	10	LRS2	R. Splendid, Argentina	
9340	32.10	1	CR6RI	R. Diamang, Angola	
9350	32.08	15		Alma Ata, U.S.S.R.	
9360	32.04	50/100/200		R. Nacional, Spain	
	32.05	0.5	OAX4W	R. America, Peru	
9362	32.05	1	COBS	R. Progreso, Cuba	
9378	32.01	20		Khabarovsk, U.S.S.R.	
9380	31.99	50	OTM2	R. Congo, Belge, Belg. Cong.	
	31.99	15		Alma Ata, U.S.S.R.	
9390	31.95	15/100		Moscow, U.S.S.R.	
9400	31.91	6		R. Omdurman, Sudan	
9410	31.90	15/100	GRI	BBC, London, Gt. Britain	
9420	31.85	5		RAI, Caltanisetta, Italy	
	31.85	50/60/100		R. Roma, Italy	
9430	31.81	15/100		Moscow, U.S.S.R.	
9451	31.74	15		Alma Ata, U.S.S.R.	
9465	31.71	20	TAP	R. Ankara, Turkey	
9475	31.66	40/50/100		Cairo, Egypt	
9480	31.65	15/100		Moscow, U.S.S.R.	
	31.65	5		Vladivostok, U.S.S.R.	
9484	31.63	10/50		Karachi, Pakistan	
9485	31.63	7.5	4VC	R. Commerce, Haiti	
9490	31.61	15/100		Moscow, U.S.S.R.	
	31.61	2.5/10		R. International, Tangier	
	31.61	0.3		R. Atlantico, Canary Island	
9495	31.60	10/50		Karachi, Pakistan	
		9500 – 9775 kc/s. – 31 metre band			
9500	31.58	100	VLA/B9	Shepparton, Australia	
	31.58	50	VLS9	Shepparton, Australia	
	31.58	10	VLG9	Lyndhurst, Australia	
	31.58	1	CP6	Emisora del Estado, Bolivia	
	31.58	10	XEWW	Voz de la Amer. Lat., Mex.	
	31.58	1	DZH3	R. Philippines, Philippines	
	31.58	35/50/100		VOA, Tangier	
	31.58	0.1	OAX6H	T. Tacna, Peru	
9502	31.57	1	CR6RB	R. Club de Benguela, Angola	
9504	31.57	30	OLR3B	R. Prague, Czechoslovakia	
9505	31.56	0.3	OEI32	Wien, Austria	
	31.56	7.5	PRB22	R. Record, Brazil	
	31.56	10	JBD	Nazaki, Japan	
	31.56	3		Salisbury, S. Rhodesia	
	31.56	0.25	HOLA	R. Atlantico, Panama	
	31.56	10/100		R. Belgrade, Yugoslavia	
	31.56	10/100		R. Free Europe, Germany	
	31.56	1	CP38	R. la Cruz del Sur, Bolivia	
9510	31.55	15/100	GSB	BBC, London, Gt. Britain	
	31.55	5	YVXJ	R. Barquisimeto, Venezuela	
	31.55	100	VLAB9	Shepparton, Australia	
	31.55	50	VLC9	Shepparton, Australia	
	31.55	10	VLG9	Lyndhurst, Australia	
9515	31.53	1	FIQA	R. Tananarive, Madagascar	
	31.53	100	TAT	R. Ankara, Turkey	
	31.53	50/200	KNBH	Dixon, USA	
	31.53	50/200	KCBR	Delano, USA	
	31.53	15/100		Moscow, U.S.S.R.	
	31.53			Caltanissetta, Italy	
	31.53	25	HBX	Geneva, Switzerland	
9518	31.52	10/50		Karachi, Pakistan	
9520	31.51	7.5	CBFR	Montreal, Canada	
	31.51	35/100		Colombo, Ceylon	
	31.51	10	HJKF	Em. Nuevo Mundo, Colomb.	
	31.51	50	OZF5	Herstedvester, Denmark	
	31.51	7.5	ZL18	Wellington, New Zealand	
	31.51	75/200	WLWO	Mason, USA, USA	
	31.51	0.25	OAX4J	R. La Cronica, Peru	
	31.51	100	VLA/B9	Shepparton, Australia	
9520	31.51	50	VLC9	Shepparton, Australia	
	31.51	10	VLG	Lyndhurst, Australia	
	31.51	100		Allouis, France	
	31.51	35		Salonika (VOA), Greece	
9523	31.50			Johannesburg, S. Africa	
9525	31.50	5/100	GWJ	BBC, London, Gt. Britain	
	31.50	0.5	BED36	Taipei, Taiwan	
	31.50	5/100		AIR, Delhi, India	
9526	31.49	1		Godthaab, Greenland	
9530	31.48	0.3	OAX6G	R. National, Peru	
	31.48	0.25/10	VUC	AIR, Calcutta, India	
	31.48	15/100		Moscow, U.S.S.R.	
	31.48	50/200	KCBR	Delano, USA	
	31.48	25/100	WGEO	Schenectady, USA	
	31.48	50	WBOU	Bound Brook, USA	
	31.48	20/50/80	WRUL	R. Boston, USA	
	31.48	35		Courir (VOA), Greece	
	31.48	0.35	YVMZ	Maracaibo, Venezuela	
9535	31.46	5	COCO	Periodico del Aire, Cuba	
	31.46	35		N. Luzon (VOA), Philippin.	
	31.46	100		Hörby, Sweden	
	31.46	100	HER4	Swarzenburg, Switzerland	
	31.46	5	XEXF	R. Mexicana del Centro, M.	
9540	31.45	100	VLA/B9	Shepparton, Australia	
	31.45	50	VLC9	Shepparton, Australia	
	31.45	10	VLG9	Lyndhurst, Australia	
	31.45	15/100		Moscow, U.S.S.R.	
	31.45	7.5/100		Warsaw, Poland	
	31.45	1	COBQ	R. Onda Musical, Cubana	
	31.45	0.5	YSLL	S. Salvador en el Aire, El	
	31.45	100		Allouis, France	
	31.45	8/100		VOA, Germany	
	31.45	7.5	ZL2	Wellington, New Zealand	
	31.45	0.1	VE9AI	Edmonton, Canada	
	31.45	10	LKJ2	Tromsö, Norway	
9543	31.44	7.5		Rangoon, Burma	
9545	31.43	0.25	XEFT	La Voz de Vera Cruz, Mex.	
	31.43	75/200	WLWO	Mason, USA	
	31.43	0.3	OAX4K	R. Central, Peru	
	31.43	10/50		Karachi, Pakistan	
	31.43	15/100		Moscow, U.S.S.R.	
	31.43	7.5	ZYS30	R. Emis. Paranaense, Brazil	
	31.43	50		Petropavlovsk, U.S.S.R.	
	31.43	8/100		Munich (VOA), Germany	
9550	31.41	30	OLR3A	R. Prague, Czekoslovakia	
	31.41	100		Allouis, France	
	31.41	15/100	GWB	BBC, London, Gt. Britain	
	31.41	0.25/10	VUB	AIR, Bombay, India	
	31.41	3	YDQ2	Makassar, Indonesia	
	31.41	5/25/50/100		Vatican City, Italy	
	31.41	100	KGEI	General Electric Co., USA	
	31.41	10	LLD	Tromsö, Norway	
	31.41	0.3	DZI2	Manila, Philippines	
	31.41	0.25	HC2UM	R. Universal, Ecuador	
	31.41	15/100		Moscow, U.S.S.R.	
9555	31.40	5	YSS	R. Nacional, El Salvador	
	31.40	15	OIX2	Pori, Finland	
	31.40	0.5	XETT	La Hora Exacta, Mexico	
	31.40	7.5/100		Warsaw, Poland	
	31.40	20		Damascus, Syria	
	31.40			Peking, China	
9560	31.38	100	VLA/B9	Shepparton, Australia	
	31.38	50	VLC9	Shepparton, Australia	
	31.38	10	VLG9	Lyndhurst, Australia	
	31.38	100		Allouis, France	
	31.38	75/100		BFEBS, Malaya	
	31.38	10	JBD21	Yamata, Japan	
9562	31.37	10	OAX4R	R. Nacional, Peru	
9565	31.36	16	ZYK3	R. Jornal do Comm., Brazil	
	31.36	5/100	VUD	AIR, Delhi, India	
	31.36	15/100		Moscow, U.S.S.R.	
	31.36	10		R. Liberation, Germany	
	31.36	50		Komsomolsk, U.S.S.R.	
9570	31.35	0.35	CP21	R. La Plata, Bolivia	
	31.35	15/100	GWX	BBC, London, Gt. Britain	
	31.35	0.2	HC3JC	R. Fenix, Ecuador	
	31.35	100		Bucarest, Rumania	
	31.35	0.25	DUH3	The Peoples Station, Phillip.	
9570	31.35	50/200	KCBR	Delano, USA	
	31.35	35/100		Colombo, Ceylon	
9575	31.33	50/60/100		R. Roma, Italy	
9580	31.32	100	VLA/B9	Shepparton, Australia	
	31.32	50	VLC9	Shepparton, Australia	
	31.32	10	VLG9	Lyndhurst, Australia	

kc/s	m	kW	Call	Stations and countries	Rem.
	31.32	15/100	GSC	BBC, London, Gt. Britain	
	31.32	5/100		AIR, Delhi, India	
9585	31.30	30	OLR3F	R. Prague, Czechoslovakia	
	31.30	50	CKLP	R. Canada, Canada	
	31.30	10		R. Liberation, Germany	
	31.30	50		R. Excelsior, Brazil	
	31.30	20/50/80	WRUL	R. Boston, USA	
9590	31.28	0.25	HI2G	Radiodif. HIG, Dom. Rep.	
	31.28	40		Huizen 1, Holland	
	31.28	0.2	OAX5C	R. Universal, Peru	
	31.28	7.5/50		Manila (VOA), Philippines	
	31.28	5/100	VUD	AIR, Delhi, India	
	31.28	50/200	KNBH	Dixon, USA	
9593	31.27	40		Kiev, U.S.S.R.	
9595	31.27	20		R. Cultura da Bahia, Brazil	
	31.27	10/100		R. Free Europe, Germany	
	31.27	10		R. Liberation, Germany	
9600	31.25	15/100	GRY	BBC, London, Gt. Britain	
	31.25	7.5/100		Warsaw, Poland	
	31.25			Johannesburg, S. Africa	
	31.25	15	HJTC	R. Militar, Colombia	
	31.25	2.5	CE960	R. La Americana, Chile	
	31.25	50/200	KCBR	Delano, USA	
	31.25			Leningrad, U.S.S.R.	
	31.25	15		Ashkabad, U.S.S.R.	
	31.25	0.25	XEYU	Universidad Nac. de Mexico	
9607	31.23	7.5		Athens, Greece	
	31.23	0.25	HP5J	La Voz de Panama, Panama	
	31.23	10/100		R. Free Europe, Germany	
9610	31.22	2	VLW9	Perth, Australia	
	31.22	10	VLX9	Perth, Australia	
	31.22	25	ZYC8	R. Tamoio, Brazil	
	31.22	50	CHLS	R. Canada, Canada	
	31.22	7.5	CBFX	Montreal, Canada	
	31.22	10	CR8AB	R. Goa, Port. India	
	31.22	5/10/100	LLG	Fredrikstad, Norway	
	31.22	15/100		Moscow, U.S.S.R.	
	31.22	0.3	OAX8C	R. Nacional, Peru	
	31.22	1		Vientiane, Laos	
9614	31.20	10/50		Karachi, Pakistan	
	31.20	7.5		Dacca, Pakistan	
9615	31.20	100	VLA/B9	Shepparton, Australia	
	31.20	50	VLC9	Shepparton, Australia	
	31.20	10	VLG9	Lyndhurst, Australia	
	31.20	0.3	OEI33	Wien, Austria	
	31.20	3	TIDCR	Diario de Costa R., Costa R.	
	31.20	7.5/100		Warsaw, Poland	
	31.20	0.25	DUH4	The Peoples Statiôn, Philipp.	
	31.20	25/100	WGEO	Schenectady, USA	
	31.20	50	WBOU	Bound Brook, USA	
9620	31.19	2.5	ETHA	Addis Ababa, Ethiopia	
	31.19	100		Allouis, France	
	31.19	5/100	VUD	AIR, Delhi, India	
	31.19	12		R. Saigon (Nat.), Vietnam	
	31.19	7.5	ZL8	Wellington, New Zealand	
	31.19	1	COJK	Voz del Camagüeano, Cuba	
	31.19	100		Hörby, Sweden	
	31.19	20	CXA6	S.O.D.R.E., Uruguay	
	31.19	7.5	ZYR83	R. Aparecida, Brazil	
	31.19	8/100		Munich (VOA), Germany	
	31.19	35/100		VOA, Tangier	
9625	31.17	15/100		Moscow, U.S.S.R.	
	31.17	7.5/100		B.F.E.B.S., Malaya	
	31.17	15/100	GWO	BBC, London, Gt. Britain	
	31.17	10	XEBT	Voz y Exprecion de Mexico	
	31.17	1	YVMC	R. Popular, Venezuela	
	31.17	50		R. Brazzav., Fr. Equat. Afr.	
9630	31.15	50	CKLO	R. Canada, Canada	
	31.15	10	HJKZ	Mined. Ext. Cultur, Colom.	
	31.15	5.5	CBFO	Montreal, Canada	
	31.15	10/50		Karachi, Pakistan	
	31.15	50/60/100		R. Rome, Italy	
9632	31.15	1	CR6RL	R. Clube de Angola, Angola	
9635	31.14	35		Okinawa (VOA), Ruykyu Isl.	
	31.14	5	CSA23	R. Nacional, Portugal	
	31.14	35/50/100		VOA, Tangier	
9640	31.12	5	YVSC	R. Nacional, Venezuela	
	31.12	5	COX4	Ministerio de Educ., Cuba	
	31.12	3	CXA8	R. Real de San Carlos, Uru.	
	31.12	20	DMR36	Deutsche Welle, Germany	
	31.12	100		Allouis, France	
	31.12	15/100	GVZ	BBC, London, Gt. Britain	
	31.12	1	DZH2	Voice of the Philippines	
	31.12	15/100		Moscow, U.S.S.R.	
9645	31.10	7.5	ZYV40	R. Cult., Pocos de Caldas, B.	
	31.10	0.3	HOJA	R. Provincias, Panama	
	31.10	2	TIFC3	Faro del Caribe, Costa Rica	
	31.10	5/10/100	LLH	Fredrikstad, Norway	
	31.10	100	CSA56	R. Nacional, Portugal	
	31.10	10/50		Karachi, Pakistan	
	31.10	7.5		Dacca, Pakistan	
	31.10	1		Lahore, Pakistan	
9646	31.10	5/25/50/100		Vatican City, Italy	
9650	31.09	100	VLA/B9	Shepparton, Australia	
	31.09	50	VLC9	Shepparton, Australia	
	31.09	10	VLG9	Lyndhurst, Australia	
	31.09	50	WDSI	Brentwood, USA	
	31.09	5/7.5/20	ZJM8	Sharq al Adna, Cyprus	
	31.09	100		Honolulu (VOA), Hawaii	
	31.09	15/100		Moscow, U.S.S.R.	
	31.09	100	CSA20	R. Nacional, Portugal	
9650	31.09	50/200	KNBH	Dixon, USA	
	31.09	3		Djeddah, Saudi Arabia	
9655	31.07	10/100		R. Free Europe, Germany	
	31.07	50	OTC	Leopoldville, Belgian Congo	
	31.07	5	JKI2	Tokyo, Japan	
9656	31.07	3	4VEH	La Voix Evangélique, Haiti	
9660	31.06	7.5	LRX	R. El Mundo, Argentina	
	31.06			Peking, China	
	31.06	10	VLQ9	Brisbane, Australia	
	31.06	15/100	GWP	BBC, London, Gt. Britain	
	31.06	5/100	VUD	AIR, Delhi, India	
	31.06	5/25/50/100		Vatican City, Italy	
	31.06	15/100		Moscow, U.S.S.R.	
	31.06	50		Petropavlovsk, U.S.S.R.	
9665	31.04	4	OEI23	Wien, Austria	
	31.04	100	HEU3	Schwarzenburg, Switzerland	
	31.04	20		Soc. R. Rio, Brazil	
	31.04	10		R. Liberation, Germany	
9667	31.03	3	4VEH	La Voix Evangelique, Haiti	
9668	31.03	5	TGNB	R. Cultural, Guatemala	
9669	31.03	20		Khabarovsk, U.S.S.R.	
9670	31.02	5	COCQ	Circuito CMQ, Cuba	
	31.02	7.5/50		Manila, (VOA), Philippines	
	31.02	5/100	VUD	AIR, Delhi, India	
	31.02	50/100		VOA, Tangier	
	31.02	100	CSA24	R. Nacional, Portugal	
	31.02	50/200	KCBR	Delano, USA	
	31.02	40		Kiev, U.S.S.R.	
	31.02	30	OLR3C	R. Prague, Czechoslovakia	
	31.02	8/100		Munich (VOA), Germany	
	31.02	50/60/100		R. Roma, Italy	
9675	31.01	7.5	PRC22	R. Gaucha, Brazil	
	31.01	100		Allouis, France	
	31.01	50/100	JOB3	Tokyo, Japan	
	31.01	15/100	GWT	BBC, Gt. Britain	
	31.01	20/50/80	WRUL	R. Boston, USA	
9677	31.00	20	EQC	R. Tehran, Iran	
9678	31.00	50/100/200		R. Nacional, Spain	
9680	30.99	100	VLA/B9	Shepparton, Australia	
	30.99	50	VLC9	Shepparton, Australia	
	30.99	10	VLG9	Lyndhurst, Australia	
	30.99	5	VLR9	Melbourne, Australia	
	30.99	10	VLH9	Melbourne, Australia	
	30.99	100		Allouis, France	
	30.99	20	EQC	R. Teheran, Iran	
	30.99	1	XEQQ	R. Mexicana del Centro M.	
	30.99			Johannesburg, S. Africa	
	30.99	100	CSA25	R. Nacional, Portugal	
	30.99	15/100		Moscow, U. S. S. R.	
	30.99	15		Askhabad, U.S.S.R.	
	30.99	10		R. Liberation, Germany	
9685	30.98	35		Saloniki (VOA), Greece	
	30.98	1	HOF31	Onda Popular, Panama	
	30.98	35/50/100		VOA, Tangier	
	30.98	75/200	WLWO	Mason, USA	
	30.98			Kaunas, U.S.S.R.	
	30.98	50		R. Gazeta, Brazil	
9690	30.95	100	LRA1	R. del Estado, Argentina	
	30.95	15/100	GRX	BBC, Gt. Britain	
	30.95	7.5/100		BFEBS, Malaya	
	30.95	15/100		Moscow, U.S.S.R.	
9692	30.95	3	TIRNH	La Voz de Costa Rica, C. R.	
9695	30.94	10/100		R. Free Europe, Germany	
	30.94	50/100	JOA3	Tokyo, Japan	
	30.94	5/100		AIR, Delhi, India	
9700	30.93	100		R. Sofia, Bulgaria	
	30.93	15/100	GWY	BBC, London, Gt. Britain	
	30.93	15/100		Moscow, U.S.S.R.	
	30.93	75/200	WLWO	Mason, USA	
	30.93	50	WDSI	Brentwood, USA	
	30.93	50/200	KCBR	Delano, USA	

kc/s	m	kW	Call	Stations and countries	Rem.
9705	30.91	10	PRH8	Fundacao, R. Maua Brazil	
	30.91	1	CR6RQ	Nova Lisboa, Angola	
	30.91	10/50		Karachi, Pakistan	
	30.91	10		R. Liberation, Germany	
	30.91	20	ORU5	Bruxelles, Belgium	
9710	30.90	5/100	VUD	AIR, Delhi, India	
	30.90	50	YDF6	Djakarta, Indonesia	
	30.90	50/60/100		R. Roma, Italy	
	30.90	15/100		Moscow, U.S.S.R.	
9714	30.88	1	TIOCHO	La Voz del Hogar, Costa R.	
9717	30.87	10/100		R. Free Europe, Germany	
9720	30.86	50	PRL7	R. Nacional, Brazil	
	30.86	5/100	VUD	AIR, Delhi, India	
	30.86	15/100		Moscow, U.S.S.R.	
9725	30.85	50		Komsomolsk, U.S.S.R.	
	30.85	15/100		BBC, London, Gt. Britain	
	30.85	7.5/100		BFEBS, Malaya	
	30.85	10/100		R. Free Europe, Germany	
9727	30.84	100	CSA26	R. Nacional, Portugal	
9730	30.83	12		R. DDR, Germany (Dem. R)	
	30.83	10	DZH7	"The Call of the Orient",	
	30.83	10		R. Liberation, Germany	
				Philippines	
	30.83	7		R. Brazzaville, Fr. Equ. Afr.	
9735	30.82	15/100	GWF	BBC, London, Gt. Britain	
	30.82			Peking, China	
	30.82	1.2	ZPA4	R. Stentor, Paraguay	
	30.82	7.5	HI2T	La Voz Dominicana, Dom. R.	
	30.82	20	DMR35	Deutsche Welle, Germany	
9737	30.81	10/50		Karachi, Pakistan	
9740	30.80	1	COKG	Cadena Oriental de R., Cuba	
	30.80	100	CSA27	R. Nacional, Portugal	
	30.80	35/100		VOA, Tangier	
	30.80	15/100		Moscow, U.S.S.R.	
9745	30.78	100/20	ORU3/5	Bruxelles, Belgium	
	30.78	5		Huizen, Holland	
	30.78	10	HCJB	Voz de los Andes, Ecuador	
	30.78	7.5	ZYR57	R. Cultura Sao Paulo, Brazil	
	30.78	5/100		AIR, Delhi, India	
9746	30.78	100	CSA28	R. Nacional, Portugal	
9750	30.77	50	WBOU	Bound Brook, USA	
	30.77	10/100		R. Free Europe, Germany	
	30.77	15/100		Moscow, U.S.S.R.	
	30.77			Leningrad, U.S.S.R.	
	30.77	100		Allouis, France	
	30.77	5/25		R. France Asie, Vietnam	
9755	30.76	100		Allouis, France	
	30.76	5/100	VUD	AIR, Delhi, India	
	30.76	10/50		Karachi, Pakistan	
	30.76	1	CR6RJ	Sa da Bandeira, Angola	
	30.76	7.5		R. Brazil-Central, Brazil	
9760	30.74	15/100	MCR	BBC, London, Gt. Britain	
	30.74	10	TGWA	R. Nacional, Guatemala	
9765	30.72	10		R. Liberation, Germany	
	30.72	100		Allouis, France	
	30.72	100	CSA57	R. Nacional, Portugal	
9767	30.72	100	ORU4	Bruxelles, Belgium	
9770	30.71	1	PRL4	R. Dif. Educadora, Brazil	
	30.71	15/100	MCN	BBC, London, Gt. Britain	
	30.71	15/100		Moscow, U.S.S.R.	
	30.71	5/100		AIR, Delhi, India	
9772	30.69	7.5	CR7BE	R. Clube de Mozamb., Moz.	
9775	30.69	100	CSA76	R. Nacional, Portugal	
	30.69	5/25		R. France Asie, Vietnam	
	30.69	3	BEC32	Taipei, Taiwan	
9780	30.67	50/60/100		R. Roma, Italy	
	30.67	15/100		Moscow, U.S.S.R.	
9790	30.64	40/50/100		Cairo, Egypt	
	30.64	15/100		Moscow, U.S.S.R.	
9795	30.60	40/50/100		Cairo, Egypt	
9800	30.61	15/100		Moscow, U.S.S.R.	
	30.61	5/100		AIR, Delhi, India	
9804	30.60	40		Kiev, U.S.S.R.	
9805	30.60	5/25		R. France Asie, Vietnam	
9810	30.58	5/100		AIR, Delhi, India	
9825	30.53	15/100	GRH	BBC, London, Gt. Britain	
9833	30.51	100		R. Budapest, Hungary	
9840	30.49	2		Baku, U.S.S.R.	
9850	30.46	15/100		Moscow, U.S.S.R.	
	30.46	5/100		AIR, De hi, India	
9865	30.45	50	YDF8	Djakarta, Indonesia	
9880	30.36	15/100		Moscow, U.S.S.R.	
9915	30.26	15/100	GRU	BBC, London, Gt. Britain	
9925	30.24			Hanoi, N. Vietnam	
9950	30.15	3	BEC24	Taipei, Taiwan	
9964	30.09	1.5		R. AEF, Fr. Equatorial Afr.	

kc/s	m	kW	Call	Stations and countries	Rem.
9975	30.07	5		R. Kabul, Afghanistan	
10000	30.00	2	WWVH	Puumene, Hawaii	
	30.00	0.5	MSF	Teddington, Gt. Britain	
	30.00	9	WWV	Washington, USA	
10150	29.56	1	4VRW	R. Haiti, Haiti	
10200	29.40	1.5	BEC26	Taipei, Taiwan	
10200	29.35	1.5	PSH	Agencia Nacional, Brazil	
10260	29.24			Peking, China	
11300	26.55			Peking, China	
11560	25.69	1	CMA5	Cuban Transatl. C. ror. Cu.	
11570	25.93	10/50		Karachi, Pakistan	
11580	25.91	10/50		Karachi, Pakistan	
11625	25.81	5/100	VUD	AIR, Delhi, India	
11630	25.79			Leningrad, U.S.S.R.	
11640	25.77	5/100		AIR, Delhi, India	
11650	25.75	10/50		Karachi, Pakistan	
	25.75			Peking, China	
11670	25.71	50	OTH	R. Congo B., B. Congo	
	25.71	50	HSK9	R. Thailand, Thailand	
	25.71	40/50/10		Cairo, Egypt	
11674	25.70	10/50		Karachi, Pakistan	
11680	25.68	15/100	GRG	BBC, London, Gt. Britain	
	25.68	10	HGCQ	R. Naciona , Co ombia	
11685	25.67	5/25/50/100		Vatican City, Italy	
	25.67	15/100		Moscow, U.S.S.R.	
11690	25.66	15/100		Moscow, U.S.S.R.	
	25.66			Magadan, U.S.S.R.	
	25.66			Peking, China	
				11700–11975 kc/s. – 25 metre band	
11700	25.64	100		Allouis, France	
	25.64	15/100	GVW	BBC, London, Gt. Britain	
	25.64	15/100		Moscow, U.S.S.R.	
11705	25.63	50/100	JOA4	Tokyo, Japan	
	25.63	100		Hörby, Sweden	
	25.63	16		Baghdad, Iraq	
	25.63	7.5	CBFY	Montreal, Canada	
	25.63	50	CKXA	R. Canada, Canada	
11710	25.62	100	VLA/B11	Shepparton, Australia	
	25.62	50	VLC11	Shepparton, Australia	
	25.62	10	VLG11	Lyndhurst, Australia	
	25.62	35/50/100		VOA, Tangier	
	25.62	75/200	WLWO	Mason, USA	
	25.62	50/200	KCBR	Delano, USA	
	25.62	15/100		Moscow, U.S.S.R.	
11715	25.61	100	HEI5	Schwarzenburg, Switzerland	
11718	25.60	7.5		Athens, Greece	
	25.60	50	OTM4	R. Congo Belge, B. Congo	
	25.60	7	OQ2AA	R. Leo, Belgian Congo	
	25.60	7.5	CBFL	Montreal, Canada	
	25.60	50	CHOL	R. Canada, Canada	
	25.60	10		R. Liberation, Germany	
	25.60	50	PRL8	R. Nacional, Brazil	
11720	25.60	2	CKRX	Winnipeg, Canada	
	25.60	5/7.5/20	ZJM7	Sharq al Adna, Cyprus	
	25.60	15/100		Moscow, U.S.S.R.	
	25.60	40		Kiev, U.S.S.R.	
	25.60	100	CSA40	R. Nacional, Portugal	
11725	25.58	10/100		R. Free Europe, Germany	
	25.58	50/100	JOB6	Tokyo, Japan	
	25.58	7.5		Dacca, Pakistan	
	25.58	10/50		Karachi, Pakistan	
11730	25.58	15/100	GVV	BBC, London, Gt. Britain	
	25.58	40		Lopik 4, Holland	
	25.58	2.5	CE1173	R. Soc. Nac. de Min., Chile	
11735	25.56	1	PRD22	R. Emis. Contin., Brazil	
	25.56	5/10/100	LKQ	Fredrikstad, Norway	
	25.56	5	CXA7	R. Oriental, Uruguay	
	25.56	10/100		R. Free Europe, Germany	
11740	25.55	100	VLA/B11	Shepparton, Australia	
	25.55	10	VLG11	Shepparton, Australia	
	25.55	8/100	VLC11	Lyndhurst, Australia	
	25.55	5	CE1174	R. Nuevo Mundo, Chile	
	25.55	1	COCY	R. Siboney, Cuba	
	25.55	5/25/50/100		Vatican City, Italy	
	25.55	7.5/100		Warsaw, Poland	
	25.55	20/50/80	WRUL	R. Boston, USA	
	25.55	50/200	KNBH	Dixon, USA	
	25.55	15/100		Moscow, U.S.S.R.	
11742	25.55	7.5	CR7BF	R. Clube de Mozamb., Moz.	
11745	25.54	3	BEC22	Taipei, Taiwan	
	25.54	10/100		R. Free Europe, Germany	
	25.54	50	ZYR65	R. Emis. do Piratininga, Br.	
	25.54	5/100		AIR, Delhi, India	
11750	25.53	15/100	GSD	BBC, London, Gt. Britain	
	25.53	3		Djeddah, Saudi Arabia	
	25.53	10		Tokyo (FEN), Japan	

kc/s	m	kW	Call	Stations and countries	Rem.
	25.53	50		Komsomolsk, U.S.S.R.	
	25.53	0.35	TGCX	R. Cristal, Guatemala	
11755	25.52	100	CSA208	R. Nacional, Portugal	
	25.52	15/100		Moscow, U.S.S.R.	
	25.52	10/100		R. Free Europe, Germany	
	25.52	35		N. Luzon (VOA), Philippines	
11760	25.51	100	VLA/B11	Shepparton, Australia	
	25.51	50	VLC11	Shepparton, Australia	
	25.51	10	VLG11	Lyndhurst, Australia	
	25.51	50	CKRA	R. Canada, Canada	
	25.51	7.5	CBFA	Montreal, Canada	
	25.51	5/100	VUD	AIR, Delhi, India	
	25.51	20	TAK	R. Ankara, Turkey	
	25.51	10/100		R. Free Europe, Germany	
	25.51	5/100		Munich (VOA), Germany	
	25.51	35		Courir (VOA), Germany	
	25.50	25	ZYB8	R. Dif. Sao Paulo, Brazil	
	25.50	15/100		Moscow, U.S.S.R.	
	25.50	10		R. Liberation, Germany	
	25.50	0.2	HC2AU	R. Atalaya, Ecuador	
	25.50	10	HJKQ	Mined Nal Cult., Colombia	
11767	25.50	1	YSYA	Radio Victoria, El Salvador	
11770	25.49	100	VLA/B11	Shepparton, Australia	
	25.49	50	VLC11	Shepparton, Australia	
	25.49	10	VLG11	Lyndhurst, Australia	
	25.49	35		Colombo, Ceylon	
	25.49	15/100	GVU	BBC, London, Gt. Britain	
	25.49	7.5	YDE	Djakarta, Indonesia	
	25.49	100	YDF2/7	Djakarta, Indonesia	
	25.49	10/50		Karachi, Pakistan	
	25.49	20/50/80	WRUL	R. Boston, USA	
	25.49	10/100		R. Free Europe, Germany	
	25.49	35/100		VOA, Tangier	
	25.48	50/200	KNBH	Dixon, USA	
11775	25.49	0.2	OEI35	Wien, Austria	
11780	25.47	5/100	VUD	AIR, Delhi, India	
	25.47	50/100	JOB4	Tokyo, Japan	
	25.47	7.5	ZL3	Wellington, New Zealand	
	25.47	10		R. Liberation, Germany	
	25.47	20/50/80	WRUL	R. Boston, USA	
	25.47	15/100		BBC, London, Gt. Britain	
	25.47	7.5/100		BFEBS, Malaya	
	25.47	15/100		Moscow, U.S.S.R.	
11785	25.46	40		Kiev, U.S.S.R.	
	25.46	0.2	OEI24	Wien, Austria	
	25.46	10		R. Liberation, Germany	
	25.46	10		R. Guaiba, Brazil	
1790	25.45	35		N. Luzon, (VOA), Philippin.	
	25.45	15/100	GWV	BBC, London, Gt. Britain	
	25.45	100		Honolulu (VOA), Hawaii	
	25.45	5/100	VUD	AIR, Delhi, India	
	25.45	50	WDSI	Brentwood, USA	
	25.45	50/200	KNBH	Dixon, USA	
	25.45	75/200	WLWO	Mason, USA	
	25.45	15/100		Moscow, U.S.S.R.	
	25.45	5/25		R. France Asie, Vietnam	
11795	25.43	20	DMR40	Deutsche Welle, Germany	
	25.43	100	YDF3	Djakarta, Indonesia	
11800	25.42	1	CE1180	R. Soc. Nac. de Agricult., C.	
	25.42	1	COBH	R. Cadena Habana, Cuba	
	25.42	15/100	GWH	BBC, London, Gt. Britain	
	25.42	0.5	BED37	Taipei, Taiwan	
	25.42	35		N. Luzon (VOA), Philippin.	
11800	25.42	50	JKI4	Tokyo, Japan	
	25.42	10	ELWA	Monrovia, Liberia	
	25.42	1		Lahore, Pakistan	
	25.42	20		Khabarovsk, U.S.S.R.	
11805	25.41	8/100		Munich (VOA), Germany	
11810	25.40	100	VLA/B11	Shepparton, Australia	
	25.40	50	VLC11	Shepparton, Australia	
	25.40	10	VLG11	Lyndhurst, Australia	
	25.40	5/100	VUD	AIR, Delhi, India	
	25.40	50/200	KCBR	Delano, USA	
	25.40	10/50		Karachi, Pakistan	
	25.40	50/60/100		R. Roma, Italy	
	25.40	7.5	ZL9	Wellington, New Zealand	
	25.40	15/100		Moscow, U.S.S.R.	
11815	25.39	5		R. Brasil Central, Brazil	
	25.39	10/100		R. Free Europe, Germany	
11820	25.38	15/100	GSN	BBC, London, Gt. Britain	
	25.38	15/100		Moscow, U.S.S.R.	
	25.38	7.5/100		BFEBS, Malaya	
	25.38	5	XEBR	El Heraldo de Sonora, Mex.	
11825	25.37	16	ZYK32	R. Jornal do Comm., Brazil	
	25.37	15/100		Moscow, U.S.S.R.	
	25.37	10		R. Liberation, Germany	
11830	25.36	5/25		R. France Asie, Vietnam	
	25.36	50	WDSI	Brentwood, USA	
	25.36	7.5	ZLI9	Wellington, New Zealand	
	25.36	8/100		VOA, Germany	
	25.36	15/100		Moscow, U.S.S.R.	
	25.36	10/100		R. Free Europe, Germany	
11835	25.35			Peking, China	
	25.35	5	CXA19	El Espectador, Uruguay	
11840	25.34	100	CSA31	R. Nacional, Portugal	
	25.34	10	LRT	R. Independencia, Argentina	
	25.34	10	VLG11	Lyndhurst, Australia	
	25.34	15		Ashkabad, U.S.S.R.	
	25.34	50	VLC11	Shepparton, Australia	
	25.34	100	VLA/B11	Shepparton, Australia	
	25.34	2	VLW11	Perth, Australia	
	25.34	15/100	GWQ	BBC, London, Gt. Britain	
	25.34	50		Petropavlovsk, U.S.S.R.	
	25.34	0.25	DUH5	The Peoples Station, Philip.	
	25.34	15/100		Moscow, U.S.S.R.	
	25.34	1		Lahore, Pakistan	
	25.34	35/100		VOA, Tangier	
11845	25.33	100		Allouis, France	
	25.33	10/50		Karachi, Pakistan	
	25.33	35/100		VOA, Tangier	
11850	25.32	3		Djeddad, Saudi Arabia	
	25.32	10	VLG11	Lyndhurst, Australia	
	25.32	100	VLA/B11	Shepparton, Australia	
	25.32	50	VLC11	Shepparton, Australia	
	25.32	100/20	ORU4/5	Bruxelles, Belgium	
	25.32	15/100		Moscow, U.S.S.R.	
	25.32	2.5	CE1185	R. La Aurora, Chile	
	25.32	5/10/100	LLK	Fredrikstad, Norway	
	25.32	5	TGNC	R. Cultural, Guatemala	
	25.32	1.2	ZPA3	R. Teleco, Paraguay	
11855	25.31	10/100		R. Free Europe, Germany	
	25.31	10	DZH9	The Call of the Orient, Phill.	
11860	25.30	15/100	GSE	BBC, London, Gt. Britain	
	25.30	15/100		Moscow, U.S.S.R.	
	25.30	50/200	KCBR	Delano, USA	
11863	25.29	10	CR6RZ	Emissora Oficial, Angola	
	25.28	100	HER5	Schwarzenburg, Switzerland	
11870	25.27	50	VLC11	Shepparton, Australia	
	25.27	50	WDSI	Brentwood, USA	
11870	25.27	50/200	KCBR	Delano, USA	
	25.27	100	VLA/B11	Shepparton, Australia	
	25.27	10	VLC11	Lyndhurst, Australia	
	25.27	5/100	VUD	AIR, Delhi, India	
11875	25.26	100	CSA58	R. Nacional, Portugal	
	25.26	35		VOA, Ceylon	
	25.26	30	OLR4C	Praha, Czechoslovakia	
	25.26	35/100		VOA, Tangier	
	25.26	5/100		AIR, Delhi, India	
11880	25.25	15/100		Moscow, U.S.S.R.	
	25.25	100	LRS	R. Splendid, Argentina	
	25.25	10	VLG11	Lyndhurst, Australia	
	25.25	10	VLH11	Melbourne, Australia	
	25.25	100	VLA/B11	Shepparton, Australia	
	25.25	50	VLC11	Shepparton, Australia	
	25.25	15/100	GRE	BBC, London, Gt. Britain	
	25.25	7.5/100		BFEBS, Malaya	
	25.25	35		Salonika (VOA), Greece	
	25.25	1	XEHH	La Voz Potosina, Mexico	
	25.25	100		Hörby, Sweden	
	25.25	100	TAO	R. Ankara, Turkey	
11885	25.24	10/100		R. Free Europe, Germany	
	25.24	50		Petropavlovsk, U.S.S.R.	
	25.24			Leningrad, U.S.S.R.	
	25.24	10/50		Karachi, Pakistan	
	25.24	7.5		Dacca, Pakistan	
11890	25.23	15/100		Moscow, U.S.S.R.	
	25.23	7.5		Dacca, Pakistan	
	25.23	15/100	GWW	BBC, London, Gt. Britain	
	25.23	5/100	VUD	AIR, Delhi, India	
	25.23	7.5/50		Manila (VOA), Philippines	
	25.23	50	WBOU	Bound Brook, USA	
	25.23	35/100		VOA, Tangier	
11895	25.22	7.5/50		Manila (VOA), Philippines	
	25.22	25		Dakar Federal, Fr. W. Afr.	
	25.22	100	CSA59	R. Nacional, Portugal	
	25.22	10/100		R. Free Europe, Germany	
	25.22	35		Salonika (VOA), Greece	
11900	25.21	10	VLG11	Lyndhurst, Australia	
	25.21	50	VLC11	Shepparton, Australia	
	25.21	100	VLA/B11	Shepparton, Australia	
	25.21	0.25	OQAB2	R. Elisabeth, B. Congo	
	25.21	50	CKEX	R. Canada, Canada	

kc/s	m	kW	Call	Stations and countries	Rem.
	25.21	5	CE1190	R. Coop. Vitalicia, Chile	
	25.21	15/100		Moscow, U.S.S.R.	
	25.21	5	XEXF	R. Mexicana del Centro, M.	
	25.21	20	CXA10	S.O.D.R.E., Uruguay	
	25.21	25/100	WGEO	Schenectady, USA	
	25.21			Peking, China	
11905	25.20	50/60/100		R. Roma, Italy	
	25.19	0.4	HCJB	La Voz de los Andes, Ecu.	
11910	25.19	15/100	MCO	BBC, London, Gt. Britain	
	25.19	100		Budapest, Hungary	
	25.19	0.5	HSK7	R. Thailand, Thailand	
	25.19	15/100		Moscow, U.S.S.R.	
11914	25.18	10/50		Karachi, Pakistan	
	25.18	50	OBX4R	R. Nacional, Peru	
11915	25.18	100	CSA30	R. Nacional, Portugal	
	25.18	10		Atlantico (Lisboa), Portugal	
	25.18	20		Damascus, Syria	
	25.18	10	HCJB	Voz de los Andes, Ecuador	
	25.18	10/100		R. Free Europe, Germany	
11920	25.17	100		Allouis, France	
	25.17	100	CSA77	R. Nacional, Portugal	
	25.17	5/100	VUD	AIR, Delhi, India	
	25.17	50	BED4	Taipei, Taiwan	
	25.17	15/100		Moscow, U.S.S.R.	
	25.17	10		R. Liberation, Germany	
	25.17	35		Okinawa (VOA), Ryukyu Is.	
11925	25.16	100	CSA71	R. Nacional, Portugal	
	25.16	10	ZYR78	R. Bandeirantes, Brazil	
	25.16	1	CSA95	Ponta Delgrada, Azores	
	25.16	10		R. Liberation, Germany	
11926	25.16	1	CR6RQ	Nova Lisboa, Angola	
11927	25.16	7.5		R. Athens, Greece	
11930	25.15	15/100	GVX	BBC, London, Gt. Britain	
11930	25.15	7.5/100		BFEBS, Malaya	
	25.15	100	CSA72	R. Nacional, Portugal	
11935	25.14	0.2	OEI36	Wien, Austria	
	25.14			Peking, China	
	25.14	100	CSA62	R. Nacional, Portugal	
	25.14			R. Liberation, Germany	
	25.14	7.5		R. Clube Paranaense, Brazil	
11936	25.14			Johannesburg, S. Africa	
11940	25.13	5/100	VUD	AIR, Delhi, India	
	25.13	5/25/50/100		Vatican City, Italy	
	25.13	35/50/100		VOA, Tangier	
	25.13	10/100		R. Free Europe, Germany	
	25.13	10	DZI5	Manila, Philippines	
11945	25.12	5	YSAXA	La Voz Panamericana, El S.	
	25.12	15/100	MCQ	BBC, London, Gt. Britain	
	25.12	15/100		Moscow, U.S.S.R.	
	25.12	20	DMR41	"Deutsche Welle", Germany	
	25.12	50	CKNK	R. Canada, Canada	
11950	25.10			Peking, China	
	25.10	5		Huizen 3, Holland	
	25.10	5/100	VUD	AIR, Delhi, India	
	25.10	3		Djeddah, Saudi Arabia	
	25.10	7.5	PAL5	R. Dif. Educadora, Brazil	
11955	25.09	15/100	GVY	BBC, London, Gt. Britain	
	25.09	7.5/100		BFEBS, Malaya	
11958	25.09	100	CSA41	R. Nacional, Portugal	
11960	25.08	15/100	MCT	BBC, London, Gt. Britain	
	25.08	5/100	VUD	AIR, Delhi, India	
	25.08			Peking, China	
	25.08	15/100		Moscow, U.S.S.R.	
11964	25.07	100	CSA63	R. Nacional, Portugal	
11965	25.07	10	CXA55	Montevideo, Uruguay	
	25.07	50	PRB24	R. Record, Brazil	
	25.07	10		R. Liberation, Germany	
11970	25.06	50		Brazzaville, Fr. Eq. Africa	
	25.06	15/100		Moscow, U.S.S.R.	
	25.06	15/100		BBC, London, Gt. Britain	
11972	25.06	5	TIRS	R. Athenea, Costa Rica	
11975	25.05	10		R. Liberation, Germany	
11980	25.04	15/100		Moscow, U.S.S.R.	
11984	25.04	10	CR7BE	R. Clube de Mozamb., Moz.	
	25.02	3	ZPA5	R. Encaruacion, Paraguay	
11990	25.02	3		Djeddah, Saudi Arabia	
11995	25.01	100	CSA32	R. Nacional, Portugal	
12000	25.00			Hanoi, North Vietnam	
12020	24.96	15/100		Moscow, U.S.S.R.	
	24.96	5/100		AIR, Delhi, India	
12030	24.93	40/50/100		Cairo, Egypt	
12040	24.93	15/100	GRV	BBC, London, Gt. Britain	
12095	24.80	15/100	GRF	BBC, London, Gt. Britain	
12175	24.64	7	TFJ	Reykjavik, Iceland	
12270	24.45	15/100		Moscow, U.S.S.R.	
12300	24.39	15/100		Moscow, U.S.S.R.	
14151	21.20	100	CSA61	R. Nacional, Portugal	
14380	20.86	15/100		Moscow, U.S.S.R.	
14670	20.43	0.3	CHU	Dom. Observatory, Canada	
15000	20.00	2	WWVH	Puunene, Hawaii	
	20.00	9	WWV	Washington, USA	
	20.00	15		Alma Ata, U.S.S.R.	
15010	19.99	7.5	ETHA	Addis Ababa, Ethiopia	
15020	19.98			Hanoi, North Vietnam	
15037	19.96	1.5		Forest Side, Mauritius	
15040	19.95	15/100		Moscow, U.S.S.R.	
15055	19.93			Leningrad, U.S.S.R.	
15060	19.92			Peking, China	
15070	19.91	15/100	GWC	BBC, London, Gt. Britain	
15085	19.90	5/100	VUD	AIR, Delhi, India	
15090	19.88	50	CKLX	R. Canada, Canada	
15095	19.87	5/25/50/100		Vatican City, Italy	
		15100–15450 kc/s. – 19 metre band.			
15100	19.87	100		Allouis, France	
	19.87	14	EPB	R. Tehran, Iran	
	19.87	15/100		Moscow, U.S.S.R.	
	19.87	100	CSA39	R. Nacional, Portugal	
15105	19.86			Peking, China	
	19.86	10		R. Rural Brasileira, Brazil	
	19.86	0.5	BED38	Taipei, Taiwan	
15110	19.85	50		Petropavlovsk, U.S.S.R.	
	19.85	100	CSA35	R. Nacional, Portugal	
	19.85	15/100	GWG	BBC, London, Gt. Britain	
	19.85	15/100		Moscow, U.S.S.R.	
15115	19.85	10	HCJB	Voz de los Andes, Ecuador	
	19.85	10/100		R. Free Europe, Germany	
15120	19.84	15/100		Moscow, U.S.S.R.	
	19.84	50/60/100		R. Roma, Italy	
	19.84	5/25/50/100		Vatican City, Italy	
	19.84	7.5/100		Warsaw, Poland	
	19.84	100	CSA36	R. Nacional, Portugal	
	19.84	35		VOA, Ceylon	
15125	19.83	100	CSA64	R. Nacional, Portugal	
15130	19.83	5/100	VUD	AIR, Delhi, India	
	19.83	35/50/100		VOA, Tangier	
	19.83			Peking, China	
	19.83	50/200	KCBR	Delano, USA	
	19.83	50	WDSI	Brentwood, USA	
	19.83	15/100		Moscow, U.S.S.R.	
15135	19.82	10/50		Karachi, Pakistan	
	19.82	50/100	JOA6	Tokyo, Japan	
	19.82	7.5	PRB23	R. Record, Brazil	
15140	19.82	15/100	GSF	BBC, London, Gt. Britain	
	19.82	15/100		Moscow, U.S.S.R.	
15145	19.81	10/100		R. Free Europe, Germany	
	19.81	16	ZYK33	R. Jornal do Commercio, Bra	
15150	19.80	100	CSA33	R. Nacional, Portugal	
	19.80	5	CE1515	R. Corporacion, Chile	
	19.80	100	YDC	Djakarta, Indonesia	
	19.80	10	OAX4T	R. Nacional, Peru	
	19.80	5/100	VUD	AIR, Delhi, India	
	19.80	50/200	KCBR	Delano, USA	
	19.80	50	WBOU	Bound Brook, USA	
15155	19.80	25	ZYB9	R. Dif. de Sao Paulo, Brazil	
	19.80	100		Hörby, Sweden	
15160	19.79	100	VLA/B15	Shepparton, Australia	
	19.79	50	VLC15	Shepparton, Australia	
	19.79	10	VLG15	Lyndhurst, Australia	
	19.79	100	CSA34	R. Nacional, Portugal	
	19.79	10/50		Karachi, Pakistan	
	19.79	5/100	VUD	AIR, Delhi, India	
	19.79	100	TAU	R. Ankara, Turkey	
	19.79	10	XEWW	La Voz d la America Latina	
15165	19.78	50	OZF7	Herstedvester, Denmark	
	19.78	5	ZYN7	Ceara R. Clube, Brazil	
15170	19.78	15/100		Moscow, U.S.S.R.	
	19.78	10	TGWA	R. Nacional, Guatemala	
	19.78	5/10/100	LKV	Fredrikstad, Norway	
	19.78	10/100		R. Free Europe, Germany	
15175	19.77	5/10/100	LLM	Fredrikstad, Norway	
15180	19.76	20		Khabarovsk, U.S.S.R.	
	19.76	50	OZF8	Herstedvester, Denmark	
	19.76	15/100	GSO	BBC, London, Gt. Britain	
	19.76	1	OBX4C	R. El Sol, Peru	
	19.76	15/100		Moscow, U.S.S.R.	
15185	19.76	10/100		R. Free Europe, Germany	
15190	19.75	50	CKCX	R. Canada, Canada	
	19.75	7.5	CBFZ	Montreal, Canada	
	19.75	100	OIX4	Pori, Finland	
	19.75	5	PRK9	R. Inconfidencia, Brazil	
15195	19.74	20	TAQ	R. Ankara, Turkey	
	19.74	10/100		R. Free Europe, Germany	

kc/s	m	kW	Call	Stations and countries	Rem.
15200	19.74	15/100		Moscow, U.S.S.R.	
	19.74	100	VLA/B15	Shepparton, Australia	
	19.74	50	VLC15	Shepparton, Australia	
	19.74	10	VLG15	Lyndhurst, Australia	
	19.74	75/200	WLWO	Mason, USA	
	19.74	35		Courir (VOA), Greece	
15205	19.73	5	XESC	La mas Espanole del Mundo,	
	19.73	35/100		VOA, Tangier	
	19.73	10		Agencia Nacional, Brazil	
	19.73	10/50		Karachi, Pakistan	
15210	19.72	100	VLA/B15	Shepparton, Australia	
	19.72	50	VLC15	Shepparton, Australia	
	19.72	10	VLG15	Lyndhurst, Australia	
	19.72	15/100		Moscow, USSR.	
	19.72	15/100	GWU	BBC, London, Gt. Britain	
	19.72	5/100	VUD	AIR, Delhi, India	
	19.72	35		Okinawa (VOA), Ryukyu Isl.	
	19.72	50	BOU	Bound Brook, USA	
	19.71	7.5/50		Manila (VOA), Philippines	
	19.71	10/100		R. Free Europe, Germany	
	19.71	2.5		R. Timbira, Brazil	
15220	19.71	100	VLA/B15	Shepparton, Australia	
	19.71	50	VLC15	Shepparton, Australia	
	19.71	10	VLG15	Lyndhurst, Australia	
	19.71	15/100		Moscow, USSR	
	19.71	40		Huizen 1, Holland	
	19.71	7.1	ZL10	Wellington, New Zealand	
	19.71	100	TAL3	R. Ankara, Turkey	
	19.71	20/50/80	WRUL	R. Boston, USA	
	19.70	10		R. Liberation, Germany	
15230	19.70	50		Komsomolsk, USSR	
	19.70	10	VLG15	Lyndhurst, Australia	
	19.70	10	VLH15	Melbourne, Australia	
	19.70	50	VLC15	Shepparton, Australia	
	19.70	100	VLA/B15	Shepparton, Australia	
	19.70	15/100	GWD	BBC, London, Gt. Britain	
	19.70			Johannesburg, S. Africa	
	19.70	50	BOU	Bound Brook, USA	
	19.70	15/100		Moscow, USSR	
	19.70	50		Petropavlovsk, USSR	
15235	19.69	5/100	VUD	AIR, Delhi, India	
	19.69	50/100	JOB5	Tokyo, Japan	
	19.69	20	BED3	Taipei, Taiwan	
15240	19.69	10	VLG15	Lyndhurst, Australia	
	19.69	100	VLA/B15	Shepparton, Australia	
	19.69	50	VLC15	Shepparton, Australia	
15240	19.69	100		Allouis, France	
	19.69	5/100	VUD	AIR, Delhi, India	
15245	19.68	7.5/50		Manila (VOA), Philippines	
	19.68	20		R. Africa, Tangier	
15250	19.67	75/200	WLWO	Mason, USA	
	19.67	50/200	KNBH	Dixon, USA	
	19.67	15/100		Moscow, USSR	
15255	19.67	10/50		Karachi, Pakistan	
	19.67			Peking, China	
	19.67	5/100		AIR, Delhi, India	
15257	19.66	0.25		Tokyo (FEN), Japan	
15260	19.66	15/100	GSI	BBC, London, Gt. Britan	
15265	19.66	10/100		R. Free Europe, Germany	
	19.66	7.5/50		R. Excelsior, Brazil	
	19.65			Sverdlovsk, USSR	
15270	19.65	10/50		Karachi, Pakistan	
	19.65	7.5		Dacca, Pakistan	
	19.65	15/100		Moscow, USSR	
	19.65	50/200	KNBH	Dixon, USA	
	19.65	50	WDSI	Brentwood, USA	
15275	19.64	20	DMR46	Deutsche Welle, Germany	
15278	19.63	0.3	4VWI	La Voix Evangélique, Haiti	
15280	19.63	7.5	ZL4	Wellington, New Zealand	
	19.63	20/50/80	WRUL	R. Boston, USA	
	19.63	15/100		Moscow, USSR	
	19.63	50	WBOU	Bound Brook, USA	
15285	19.63	10	CR7BG	R. Cl. de Mozambique, Moz.	
	19.63	20/50/80	WRUL	R. Boston, USA	
15290	19.62	7.5	LRU	R. El Mundo, Argentina	
	19.62	5/100	VUD	AIR, Delhi, India	
15295	19.62	100		Allouis, France	
	19.62	35/50/100		VOA, Tangier	
	19.62	10/100		R. Free Europe, Germany	
	19.62	8/100		Munich (VOA), Germany	
15300	19.61	15/100		Moscow, USSR	
	19.61	15/100	GWR	BBC, London, Gt. Britain	
	19.61	7.5/100		BFEBS, Malaya	
	19.61	2	DZH8	The Call of the Orient, Philip.	
	19.61	10		R. Liberation, Germany	
15305	19.60	100	HER6	Schwarzenburg, Switzerland	
15310	19.60	15/100	GSP	BBC, London, Gt. Britain	
	19.60	7.5/100		BFEBS, Malaya	
	19.60			Moscow, USSR	
	19.60			Novosibirsk, USSR	
15315	19.59	100	VLA/B15	Shepparton, Australia	
	19.59	50	VLC15	Shepparton, Australia	
	19.59	10	VLG15	Lyndhurst, Australia	
	19.59	50/200	NBH	Dixon, USA	
	19.59	40/50/100		Cairo, Egypt	
	19.59	35		Salonika (VOA), Greece	
15320	19.58	100	VLA/B15	Shepparton, Australia	
	19.58	50	VLC15	Shepparton, Australia	
	19.58	10	VLG15	Lyndhurst, Australia	
	19.58	50	CKCS	R. Canada, Canada	
	19.58	50	OZF9	Herstedvester, Denmark	
	19.58	15/100		Moscow, USSR	
	19.58	100	CSA37	R. Nacional, Portugal	
	19.58	30	OLR5B	R. Prague, Czechoslovakia	
15325	19.58	15/100		Moscow, USSR	
	19.58	20		R. Gazeta, Brazil	
15330	19.57	25/100	WGEO	Schenectady, USA	
	19.57	7.5/50		Manila (VOA), Philippines	
	19.57	75/200	WLWO	Mason, USA	
15335	19.56	7.5		Dacca, Pakistan	
	19.56	10/50		Karachi, Pakistan	
	19.56	100	ORU4	Bruxelles, Belgium	
15340	19.56	50/200	KCBR	Delano, USA	
	19.56	35		N. Luzon (VOA), Philippines	
	19.56	7.5/50		Manila (VOA), Philippines	
	19.56	15/100		Moscow, U.S.S.R.	
15345	19.55	7.5		Athens, Greece	
	19.55	35/50/100		VOA, Tangier	
15350	19.54	20/50/80	WRUL	R. Boston, USA	
	19.54	100		Allouis, France	
	19.54	5		R. Luxembourg	
15355	19.54	10/100		R. Free Europe, Germany	
	19.54	100	CSA65	R. Nacional, Portugal	
15360	19.53	15/100		BBC, London, Gt. Britain	
	19.53	7.5/100		BFEBS, Malaya	
	19.53	15/100		Moscow, USSR	
15365	19.53	10/100		R. Free Europe, Germany	
	19.53	40		Lopik 4, Holland	
15370	19.52	25	ZYC9	R. Tamoio, Brazil	
	19.52	15/100		Moscow, USSR	
	19.52	8/100		Munich (VOA), Germany	
	19.58	50/60/100		R. Roma, Italy	
15375	19.51	15/100		BBC, London, Gt. Britain	
15380	19.50	5/100	VUD	AIR, Delhi, India	
	19.50	100	CSA42	R. Nacional, Portugal	
15385	19.50	5/25/50/100		Vatican Radio, Italy	
	19.50	35/100		VOA, Tangier	
15390	19.49	15/100		Moscow, USSR	
	19.49	10		R. Liberation, Germany	
15400	19.48	100		Issoudun, France	
	19.48	50/60/100		R. Roma, Italy	
	19.48	15/100		Moscow, USSR	
	19.48	5/100		AIR, Delhi, India	
15405	19.47	1	PZC	Paramaribo, Surinam	
	19.47	20	DMR45	"Deutsche Welle", Germany	
	19.47	35/100		VOA, Tangier	
15410	19.47	35/100		VOA, Tangier	
	19.47	15/100		Moscow, USSR	
15415	19.46	10		R. Liberation, Germany	
	19.46	1	PRD23	Emissora, Continental, Brazil	
	19.46	15/100		BBC, London, Gt. Britain	
	19.46	7.5/100		BFEBS, Malaya	
15420	19.46	10/100		R. Free Europe, Germany	
15425	19.45	15		Kotwijk, Holland	
15430	19.44	5/25		R. France Asie, Vietnam	
	19.44	15/100		Moscow, USSR	
	19.44	10		R. Liberation, Germany	
	19.44	5/100	VMD	AIR, Delhi, India	
15435	19.44	15/100	GWE	BBC, London, Gt. Britain	
	19.44	7.5/100		BFEBS, Singapore, Malaya	
	19.44	15/100		Moscow, USSR	
15440	19.43	50	BOU	Bound Brook, USA	
15447	19.43	15/100	GRD	BBC, London, Gt. Britain	
15450	19.42	15/100		Moscow, USSR	
15505	19.35	1	CMA5	Cuban Transatl. R. Cor., Cuba	
15525	19.33	20		R. Cultura da Bahia, Brazil	
15540	19.31	15/100		Moscow, USSR	
15595	19.23	1.5		R. Fr. Equ., Africa	
	19.23	50		R. Brazzaville, Fr. Equ. Africa	
15620	19.21	10/50		Karachi, Pakistan	
15635	19.19	50		R. Nacional, Spai	
15640	19.18	0.25	HSK8	R. Thailand, Thailand	

kc/s	m	kW	Call	Stations and countries	Rem.
15641	19.18	50/100/200		R. Nacional, Spain	
17260	17.38	1	CMA5	Cuban Transatl. R. Cor., Cuba	
17445	17.20	5/25/50/100		Vatican Rad., Italy	
17677	16.97	1	CR5SB	R. Clube de Sao Tomé, Port W. Africa	
				17700 – 17900 kc/s – 16 metre band	
17700	16.95	15/100	GVP	BBC, London, Gt. Britain	
17705	16.95	35/100		VOA, Tangier	
17710	16.94	10/50		Karachi, Pakistan	
17715	16.94	10/50		Karachi, Pakistan	
	16.94	10	CXA57	Montevideo, Uruguay	
	16.94	15/100	GRA	BBC, London, Gt. Britain	
17720	16.93	20	TAD	R. Ankara, Turkey	
	16.93	10/100		R. Free Europe, Germany	
17730	16.92	15/100	GVQ	BBC, London, Gt. Britain	
	16.92	5/100		AIR, Delhi, India	
17735	16.92	5/25/50/100		Vatican City, Italy	
17740	16.91	100	CSA43	R. Nacional, Portugal	
	16.91	15/100	GRQ	BBC, London, Gt. Britain	
	16.91	5/100	VUD	AIR, Delhi, India	
17745	16.90	7.5		R. Athens, Greece	
17750	16.90	10/50		Karachi, Pakistan	
17750	16.90	15/100		Moscow, USSR	
	16.90	20/50/80	WRUL	R. Boston, USA	
	16.90	50/60/100		R. Roma, Italy	
	16.90	35/100		VOA, Tangier	
17755	16.90	7.5/100		BFEBS, Malaya	
	16.90	5/10/100	LKW	Frederikstad, Norway	
17760	16.89	5/100	VUD	AIR, Delhi, India	
	16.89	50/200	KNBH	Dixon, USA	
	16.89	25/100	WGEO	Schenectady, USA	
	16.89	35/100		VOA, Tangier	
17765	16.89	40/50/100		Cairo, Egypt	
17770	16.88	50/60/100		R. Roma, Italy	
	16.88	10/50		Karachi, Pakistan	
	16.88	50/200	KCBR	Delano, USA	
	16.88	7.5	ZL5	Wellington, New Zealand	
17775	16.88	40		Lopik 4, Holland	
17780	16.87	35/100		VOA, Tangier	
	16.87	5/100	VUD	AIR, Delhi, India	
	16.87	20/50/80	WRUL	R. Boston, USA	
	16.87	50	BOU	Bound Brook, USA	
	16.87	50/200	NBH	Dixon, USA	
17784	16.87	100	HER7	Schwarzenburg, Switzerland	
17785	16.87	5/25		Radio France Asie, Vietnam	
	16.87	50/100	JOZ4	Tokyo, Japan	
17790	16.86	100	VLA/B17	Shepparton, Australia	
	16.86	50	VLC17	Shepparton, Australia	
	16.86	10	VLG17	Lyndhurst, Australia	
	16.86	15/100	GSG	BBC, London, Gt. Britain	
	16.86	7.5/100		BFEBS, Malaya	
17795	16.86	75/200	WLWO	Mason ,USA	
	16.86	0.035	OEI37	Wien, Austria	
	16.86	50/100	JOY4	Tokyo, Japan	
17800	16.85	100	VLA/B17	Shepparton, Australia	
	16.85	10	VLG17	Lyndhurst, Australia	
	16.85	50	VLC17	Shepparton, Australia	
	16.85	10	OIX5	Pori, Finland	
	16.85	50/60/100		R. Roma, Italy	
	16.85	50/200	KNBH	Dixon, USA	
	16.85	75/200	WLWO	Mason, USA	
17805	16.85	1.5	DZI6	The Call of the Orient, Phillp.	
17810	16.84	15/100	GSV	BBC, London, Gt. Britain	
	16.84	100	YDF4	Djakarta, Indonesia	
	16.84	15/100		Moscow, USSR	
17815	16.84	20	DMR50	Deutsche Welle, Germany	
	16.84	10		Cultura de Sao Paulo, Brazil	
17820	16.84	50	CKNC	R. Canada, Canada	
	16.84	7.5/35		Colombo, Ceylon	
	16.84	100	TAV	R. Ankara, Turkey	
	16.84	7.5	ZL14	Wellington, New Zealand	
	16.84	1	COBZ	R. Salas, Cuba	
	16.84	15/100		Moscow, USSR	
17825	16.83	5/10/100	LLN	Frederikstad, Norway	
	16.83	50/100	JOX4	Tokyo, Japan	
17830	16.83	5/100	VUD	AIR, Delhi, India	
	16.83	50/200	KNBH	Dixon, USA	
	16.83	50	WDSI	Brentwood, USA	
	16.83	15/100		Moscow, USSR	
17835	16.82	100	CSA209	R. Nacional, Portugal	
	16.82	7.5		Dacca, Pakistan	
	16.82	10/50		Karachi, Pakistan	
17840	16.82	100	VLA/B17	Shepparton, Australia	
	16.82	50	VLC17	Shepparton, Australia	
	16.82	10	VLG17	Lyndhurst, Australia	
	16.82	5/25/50/100		Vatican, R. Italy	
	16.82	5/100	VUD	AIR, Delhi, India	
	16.82	15/100		Moscow, USSR	
	16.82	10/100		R. Free Europe, Germany	
	16.82	8/100		Munich (VOA), Germany	
	16.82	35		VOA, Ceylon	
17845	16.81	20	DMR51	Deutsche Welle, Germany	
	16.81	50/100	JOW4	Tokyo, Japan	
17850	16.81	5/100	VUD	AIR, Delhi, India	
	16.81	1	COBC	R. Progreso, Cuba	
	16.81	100		Allouis, France	
	16.81	50/200	KCBR	Delano, USA	
	16.81	50	PRL9	R. Nacional, Brazil	
17855	16.80	10/100		R. Free Europe, Germany	
	16.80	35/100		VOA, Tangier	
17860	16.80	100	ORU3	Bruxelles, Belgium	
	16.80	15/100		BBC, London, Gt. Britain	
17865	16.80	20		Damascus, Syria	
17870	16.79	100	CSA44	R. Nacional, Portugal	
	16.79	50/100	GRP	BBC, London, Gt. Britain	
17870	16.79	7.5/100		BFEBS, Malaya	
17875	16.79	7.5		R. Dif. Educadora, Brazil	
17880	16.78	15/100		Moscow, USSR	
	16.78	100	CSA45	R. Nacional, Portugal	
	16.78	50	WDSI	Brentwood, USA	
17885	16.78	10/100		R. Free Europe, Germany	
17890	16.77	100	CSA46	R. Nacional, Portugal	
	16.77	15/100	GVO	BBC, London, Gt. Britain	
	16.77	7.5/100		BFEBS, Singapore, Malaya	
	16.77	10	HCJB	Voz de los Andes, Ecuador	
17895	16.76	10/100		R. Free Europe, Germany	
20000	15.00	1	WWV	Washington, USA	
				21450 – 21750 kc/s – 13 metre band	
21460	13.98	50/200	KNBH	Dixon, USA	
21470	13.97	15/100	GSH	BBC, London, Gt. Britain	
21490	13.96	20	DMR55	Deutsche Welle, Germany	
21510	13.95	100	ORU4	Bruxelles, Belgium	
21515	13.94	5/25/50/100		Vatican R., Italy	
21520	13.94	100	HER8	Schwarzenburg, Switzerland	
	13.94	75/200	WLWO	Mason, USA	
21530	13.93	15/100	GSJ	BBC, London, Gt. Britain	
21540	13.93	100	VLA/B21	Shepparton, Australia	
	13.93	50	VLC21	Shepparton, Australia	
21550	13.92	15/100	GST	BBC, London, Gt. Britain	
21560	13.91	50/60/100		R. Roma, Italy	
21570	13.91	50	WDSL	Brentwood, USA	
21600	13.89	100	VLA/B21	Shepparton, Australia	
	13.89	50	VLC21	Shepparton, Australia	
21600	13.89	50	OBX4T	R. Nacional, Peru	
21610	13.88	50	WBOU	Bound Brook, USA	
21630	13.87	15/100	GVT	BBC, London, Gt. Britain	
21640	13.86	100		Allouis, France	
	13.86	15/100	GRZ	BBC, London, Gt. Britain	
	13 86	7.5/100		BFEBS, Malaya	
21650	13.86	20	DMR56	"Deutsche Welle, Germany	
	13.86	75/200	WLWO	Mason, USA	
21660	13.85	15/100	MCX	BBC, London, Gt. Britain	
21670	13.85	5	LLP	Oslo, Norway	
21675	13.84	15/100	GVR,	BBC, London, Gt. Britain	
21680	13.84	100	VLA/B13	Shepparton, Australia	
	13.84	50	VLC21	Shepparton, Australia	
21720	13.81	7.5/100		BFEBS, Malaya	
21730	13.81	5	LLQ	Oslo, Norway	
21740	13.80	15/100	MCY	BBC, London, Gt. Britain	
	13.80	5/25/50/100		Vatican R., Italy	
	13.80	100		Allouis, France	
	13.80	50/200	KCBR	Delano, USA	
25000	12.00	0.1	WWV	Washington, USA	
				25060–26100 kc/s – 11 metre band	
				(See Gt. Britain, Deutsche Welle, Vatican, Austria).	

MESSAGES TO WHR ON THE OCCASION OF ITS TENTH ANNIVERSARY

(Continued from page 15)

RADIOCLUB OF BENGUELA, ANGOLA

In view of the fact that World Radio Handbook is celebrating its tenth anniversary, it gives Radio Club of Benguela extremely great pleasure to express its satisfaction at the success achieved by this most useful and interesting publication, which has proved to be an intelligent and courageous champion of an instrument for making still stronger and more sincere the bonds that should unite all peoples in a common understanding for the preservation of a world in peace on the road towards further enlightened tasks for the good of mankind.

With hearty greetings from The Radio Club of Benguela.

Gastao Vinagre, Director General.

(Continued next page)

DIRECCION GENERAL DE RADIOCOMMUNICACIONES, BOLIVIA
On behalf of my Administration I congratulate you on your work and completely agree with Mr. Wallenborn, Secretary General of the European Broadcasting Union, concerning the importance of the handbook in question.
Manuel Q. Daza Valda, Director General.

"HAPPY STATION" – RADIO NEDERLAND, HOLLAND
"World Radio listening without a World Radio Handbook is much like using a telephone without a telephone book. Mostly wrong numbers. Having a telephone book means dialing the right number — — WRH the right station.
Edward Startz, The "Happy Station" Programme.

THE MINISTRY OF INFORMATION, BROADCASTING DEPARTMENT, REP. INDONESIA
On the occasion of the tenth anniversary edition of the World Radio Handbook, we find it necessary to say a few words about the W.R.H.: W.R.H. has proved to be a splendid tool, not only to all radio listeners but also to all stations throughout Indonesia. – Going through the W.R.H., no doubt one will realise that you Mr. O. Lund-Johansen have got through a lot of work to compose such an excellent radio guide-book, which at the same time serves as a means to bring about unity and understanding among all nations and peoples all over the world. – We and together with us all Indonesians sincerely congratulate you with the tenth edition of W.R.H. and share this joy with you.
The Ministry of Information Broadcasting Department
G. de Wilde, Chief Technical Services.

IMPERIAL GOVERNMENT OF IRAN
"We find your publication very comprehensive and useful and have received numerous letters from all over the world referring to your book".
Dr. Mohsen Rahnema, Director General.
Dept. Information and Broadcasting.

JAMAICA BROADCASTING COMPANY
We have found the World Radio Handbook of considerable use to us from time to time. We believe that it it has made a valuable contribution to international co-operation and goodwill between Radio-stations throughout the world.
W. MacLurg, Managing Director.

RADIO NEPAL
You have indeed done a great task by publishing regularly the World Radio Handbook. The value of the book to listeners as well as broadcasting organizations is immense and I wish you every success in your efforts to keep the book most up-to-date.
K. B. Khatry, Superintending Engineer

ONDAS DEL LAGO, VENEZUELA
A new stage forward, a fresh step towards the final goal: understanding between all the peoples of the earth—that means the tenth jubilee edition of WRH, which for a decade of incessant struggle in which difficulties have alternated with success, have been able to keep the light burning for all citizens of the world, who value peace, freedom and community feeling—firm bastions defending stable happiness.
There is no doubt that after these unhappy years of struggle and distress, these frightful years of war and hate, the world greatly needed an instrument, a work of WRH's character, when commencing the difficult work of re-construction and understanding between peoples, who formerly regarded each other with suspicion. World Radio Handbook and our good friend Lund Johansen have seen their great efforts crowned with success. No easy triumph as some might think—in fact we can only judge the result, when we consider all the difficulties that have had to be faced. For this reason and in view of what WRH means for all the citizens of the world, with their various races and ideologies, we promise now, as we have done in the past and will do in the future, our moral support to Mr. Lund-Johansen, whom we assure of our permanent gratitude and sympathy.—WRH faces a promising future. The harvest is beginning to bear fruit.
Henrique Ascanio Buroz, Director General.

CORRECTIONS:

BROADCASTING RECEIVERS IN THE WORLD:
France: 9.172. 295. – **Gr. Britain:** 14.091.832. (Of these 4.883.584 were for Radio and Television).

GERMAN DEMOCRATIC REPUBLIC: Königswusterhausen 263 kc/s 1141 m 20 kW*. Leipzig 1322 kc/s 227 m 100 kW.**
*) For Russian Occupation Army only. **) relay of German progr. from R. Moscow.

USSR: Danish: Delete. 17.00–17.30. Add. 20.30–21.00 in 49 m.b.

COOPERATING SHORTWAVE CLUBS
Austria: Austrian DX-Club, Landgutgasse 41/19, Vienna. – **Belgium: Union Belgian Amateur** (UBA), P.O. Box 634, Brussels. – **Denmark: "Det nye Radioblad"s DX Club,** Vigerslev Allé, Valby. – **Finland: Helsingfors DX Club,** Åsvägen 4, Dickursby (Publ.: Attention). - **France: Club des Auditeurs de la Radio Mondiale** (Carm.), 1 rue Pasteur, Juvisy-sur-Orge, Seine-et-Oise. – **Gt. Britain: Internationa Short Wave Club,** 100 Adams Gardens Estate, London SE 16 (Publ.: International Short Wave Radio). – **The Internationa Short Wave League,** 86, Barrenger Road, London N 10 (Publ.: Monitor). – **Japan: Japanese Short Wave Club,** Sendai (Publ.: SW-DX Guide). – **New Zealand: N.Z. DX Radio Association** (Inc.), 20 Marison St., Wellington C 2 (Publication "Tune in", 236 Blenheim Rd., Riccarton W2). – **N.Z. Radio DX League,** Headq., 15, Plunket St., Dunedin S. 2. Official Organ "New Zealand DX-Times", 111 Tay Street, Invercargil. – **Norway: Artic Listener's Club,** Tromsø – Heureka DX-Club, Friggsvei 14, Oslo (Publ.: Heureka DX-Bulletin) **DX-Listeners Club,** Nøtterøy (Organ: DX-News). – **Sweden: DX Club QRV,** Lötgatan 1, Eskilstuna. – **Eksjö DX-Club,** Spelmansgatan 11, Eksjö. – **Göteborgs DX Klubb,** Vingagatan 5, Göteborg W (Publ.: G DX-aren). – **Malmö Kortvågsklubb,** Postfack 7026, Malmö (Publ.: - Malmø DX-aren). – **Radioklubben Universal,** Klörupsvägen 144, Trelleborg (Publ.: Etersvep.). – **Sveriges Radioklubb,** Box 5083, Stockholm 5. (Publ.: DX-Radio). – **Teknikens Världs Radioklubb,** Sveavägen 53, Stockholm. **Vnsterås DX-Club,** Vesterås – **Teknik för Allas Eterklubb** (TFAE), Postbox 3137, Stockholm 3. – **Ungdomsnytts DX-Club,** Gl. Karlabyvägen 6, Härnösand. – **Radioklubben Dipol,** Box 108, Skillingaryd. – **DX-Club Tellus,** Rustkammarbacken, Söderhamn. – **The Boy's of the World Radio Club,** H.Q avd. 1, Skönviksvägen 259, Enskede. – **U.S.A.: Newark News Radio Club,** 215 Market Street, Newark, Jersey (covers all DX- SW., Ham, B.C.B. etc.). – **National Radio Club,** RDI Lake City, Penna (covers BCB only) – **Universal DX Club,** 21446 St., Hayward Calif. (Publ.: Universalite) covers SW., Ham). – **Association of Mid-West SWL's** 1752 Cornelia Ave., Chicago 13, Illinois. (Publ.: A-SWL).

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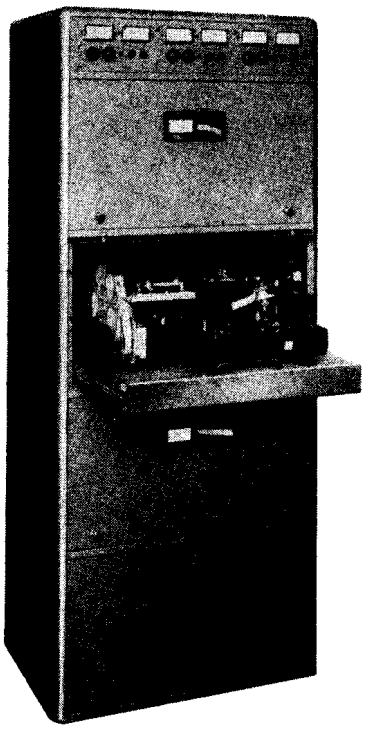

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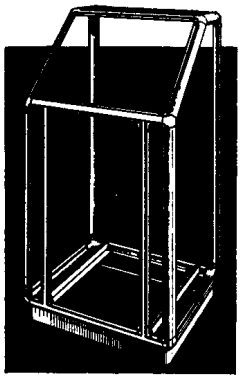
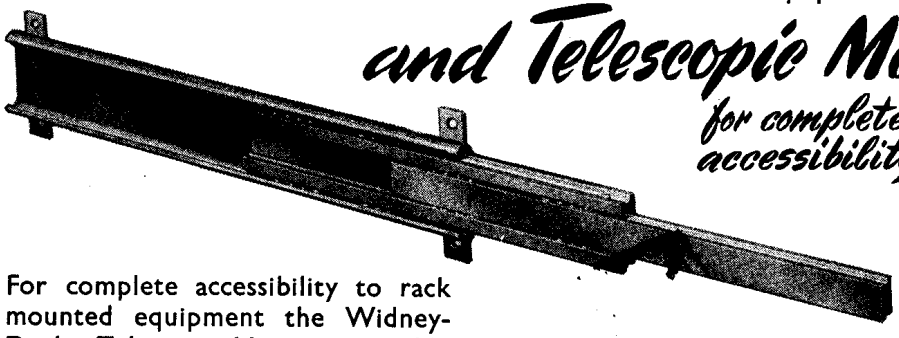


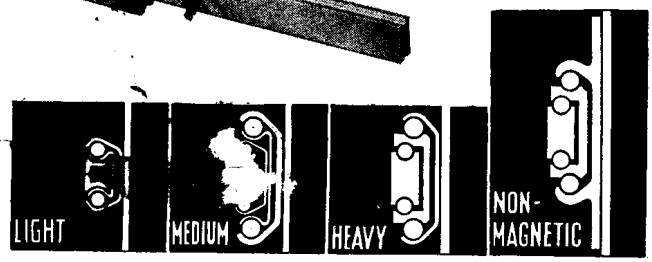
offers the most convenient means of building modern fully radiused cabinets without the need for special tools. We also specialise in the production of cabinets designed to individual requirements, ranging from single units to complete installations, including automatic and manual transmitters, and receivers for all Standard Teleprinter Equipment.

and Telescopic Mountings

for complete accessibility



For complete accessibility to rack mounted equipment the Widney-Dorlec Telescopic Mountings enable units weighing several hundreds of pounds to be taken out with ease. Mountings can be supplied in any lenght with links fixing brackets and screws to your requirements.



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